Service
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Service Manual

Horizontal Frequency
30- 83kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

Revision List

Note: Check updating contents, please input keywords in the “Find box” of PDF and click “OK”. After that, it will automatically locate to the updating contents.

Version	Release Date	Revision History	TPV Model Name
A00	Jun.-30-2010	Initial release	HIAAAFNKBXE6DN
			HIAAAFNCBXGGDN
			HIAAAFNFBXUHDN
			HIAAAFNBBXK2DN
			HIAAAFNLBX3ADN
			HIAAAFNMBXSDDN
			HIAAAFNQBXE6DN
			HIAAAFNTBX1RDN
A01	Dec.-27-2010	Add new models, lead in the new converter board[PCB P/N: 715G4119P2A000004C] Update as below: Block Diagram Schematic BOM	HIAAAP2KBXE6DN
A02	Mar.-30-2011	Add new model	HIAAAP2BBXK2DN

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING
Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC.
AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

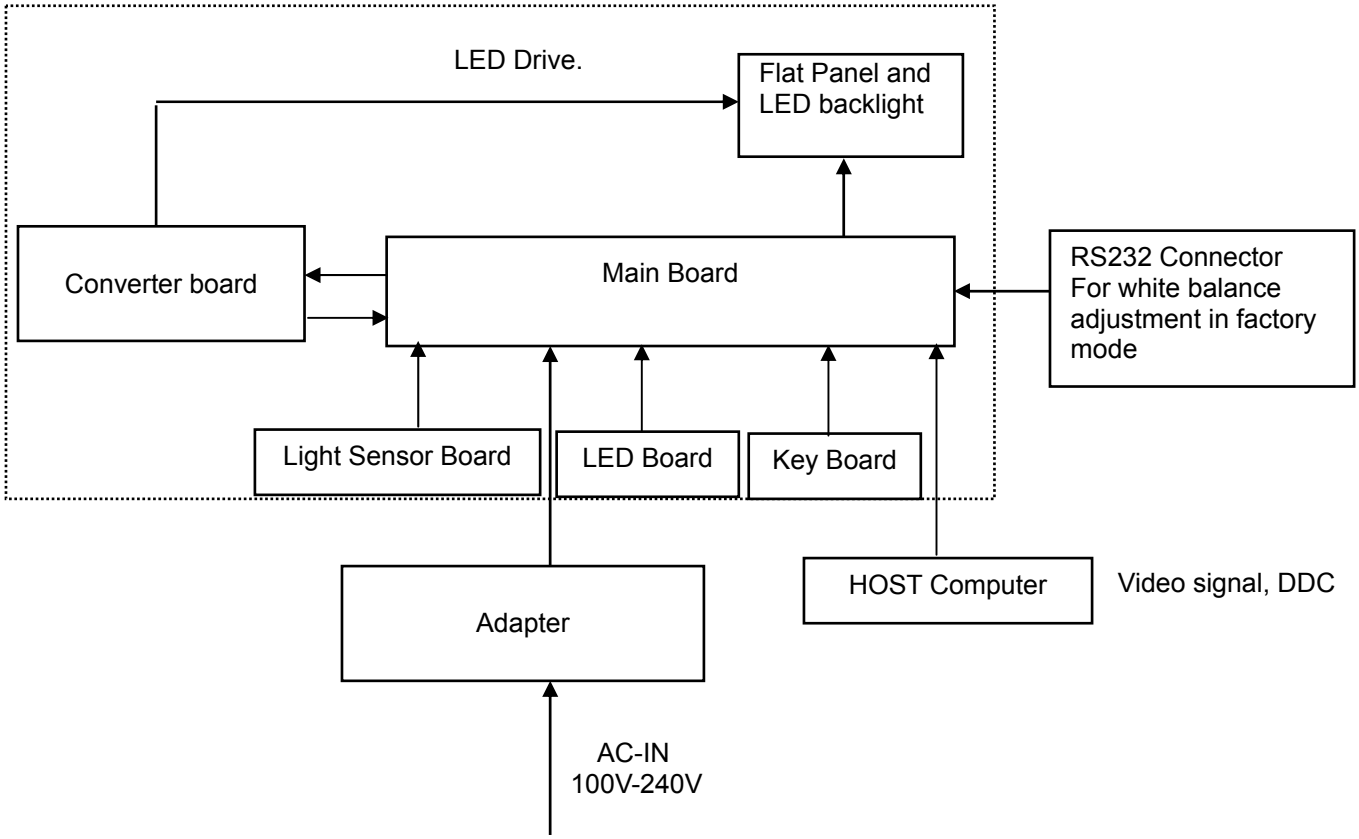
1. Monitor Specifications

LCD Panel	Model number	e2237Fwh	
	Driving system	TFT Color LED	
	Viewable Image Size	54.7 cm	
	Pixel pitch	0.248(H)x0.248(V)mm	
	Video	R, G, B Analog Interface & Digital Interface	
	Separate Sync.	H/V TTL	
	Display Color	16.7M Colors	
	Dot Clock	170MHz	
Resolution	Horizontal scan range	30 kHz - 80 kHz	
	Horizontal scan Size(Maximum)	476.64mm	
	Vertical scan range	55 Hz - 75 Hz	
	Vertical scan Size(Maximum)	268.11mm	
	Optimal preset resolution	1920 x 1080 (60 Hz)	
	Highest preset resolution	1920 x 1080 (60 Hz)	
	Plug & Play	VESA DDC2B/CI	
	Input Connector	D-Sub 15pin & DVI-D & HDMI 19-pin	
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, Positive & DVI-D Digital Interface (TMDS), HDMI	
	Power Source	100~240VAC, 50/60Hz	
	Power Consumption	On(typ): <25W	
		Standby < 0.5 W	
Physical Characteristics	Connector Type	15-pin Mini D-Sub & DVI-D & 19-pin HDMI	
	Signal Cable Type	Detachable	
	Dimensions & Weight:	Height (with base)	396.86 mm
		Width	540.84mm
		Depth	132.5mm
		Weight (monitor only)	3.24 kg
		Weight (with packaging)	5.74kg
Environmental	Temperature:	Operating	0° to 40°
		Non-Operating	-25°C - +55°C
	Humidity:	Operating	10% - 85% (non-condensing)
		Non-Operating	5% - 93% (non-condensing)
	Altitude:	Operating	0~ 12,000 ft
		Non-Operating	0~ 40,000 ft

2. LCD Monitor Description

The LCD monitor will contain a main board, a converter board, a light sensor board, a LED board and a key board which house the flat panel control logic, brightness control logic and DDC.
The converter board will provide DC to DC Inverter voltage to drive the backlight of panel.

Monitor Block Diagram



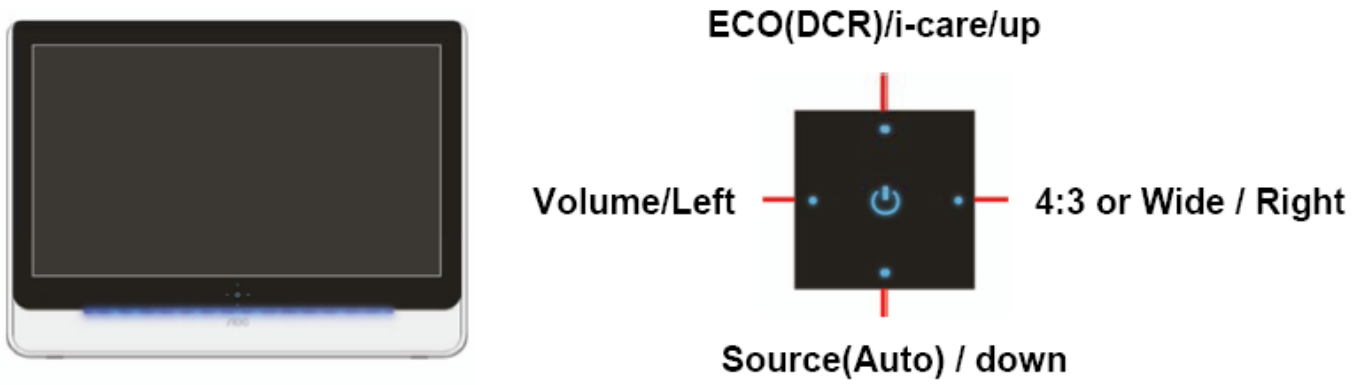
3. Operating Instructions

3.1 General Instructions

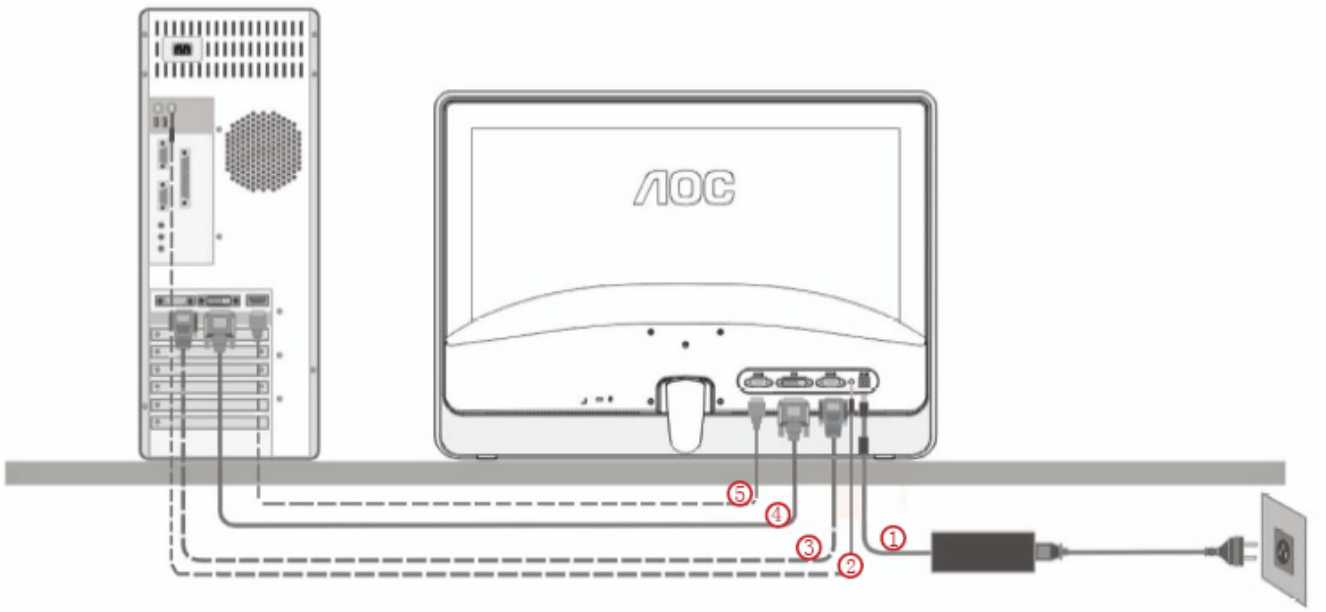
Press the power button to turn the monitor on or off. The other control knobs are located at front panel of the monitor.

By changing these settings, the picture quality can be adjusted to your personal preferences.

3.2 Control Buttons and Connections



Power Key
Press the Power button continuously about 2 second to turn off the monitor.
Eco Mode/DCR/i-care hot key
Press the Eco key continuously to select the Eco mode of brightness and DCR on when there is no OSD (Eco mode hot key may not be available in all models).
i-care can detect the intensity of surrounding lights and automatically adjusts the monitor brightness according to different light intensity
Volume adjustment hot key
When there is no OSD, press Volume (◀) to active volume adjustment bar, press ◀ or ▶ to adjust volume. (Only for the models without speakers).
4:3 or wide image ratio hot key
When there is no OSD, press left hotkey continuously to change 4:3 or wide image ratio. (If the product screen size is 4:3 or input signal resolution is wide format, the hot key is disable to adjust.)
Source hot key
When the OSD is closed, press Source (or Auto/Source) button will be Source hot key function (Only for the models with dual or more inputs). Press Source button continuously to select the input source showed in the message bar, press Menu/Enter button to change to the source selected.
Auto configure hot key
When the OSD is closed, press Auto/Source button continuously about 2 second to do auto configure (Only for the models with dual or more inputs).

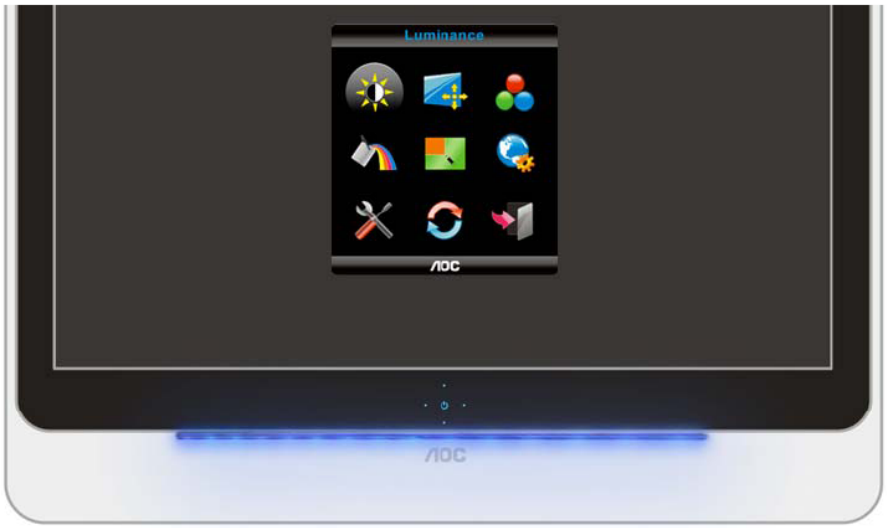


1. Power
2. Audio
3. Analog (DB-15 VGA cable)
4. DVI
5. HDMI

To protect equipment, always turn off the PC and LCD monitor before connecting.
1 Connect the power cable to the AC port on the back of the monitor.
2 Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
3 (Optional – Requires a video card with DVI port) - Connect one end of the DVI cable to the back of the monitor and connect the other end to the computer's DVI port.
4 (Optional-Requires a video card with HDMI port) - Connect one end of the HDMI cable to the back of the monitor and connect the other end to the computer's HDMI port.
5 Turn on your monitor and computer.

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting.

3.3 OSD Menu



1) Press **Menu (Power)** button to activate the OSD window. Press **left, right, up, down** button to navigate through the functions. Once the desired function is highlighted, press **Menu (Power)** button to activate submenu.
2) In sub-menu, Press **up, down** button to navigate through the functions. Once the desired function is highlighted, press **left, right** button to change the setting. Press **Menu (Power)** button to return to superior menu.
3) If you want to adjust any other function, repeat steps 1-2.
4) To exit OSD windows, select "**exit**" icon on main OSD, then press **Menu (Power)** button.
5) **OSD Lock Function:** To lock the OSD, press and hold the **Left** button while the monitor is off and then press **power** button to turn the monitor on. To un-lock the OSD, press and hold the **Left** button while the monitor is off and then press **power** button to turn the monitor on.

Notes:
1)If the product has only one signal input, the item of "Input Select" is disable to adjust.
2)If the product screen size is 4:3 or input signal resolution is wide format, the item of "Image Ratio" is disable to adjust.
3)One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.

Luminance

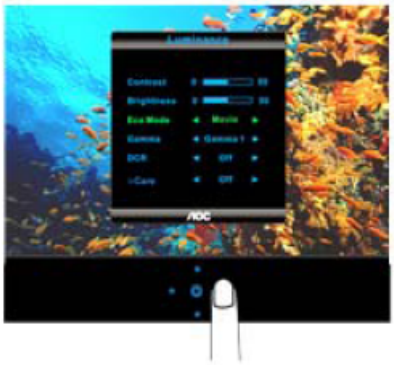
1

Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (Luminance),and press to enter.

3



Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

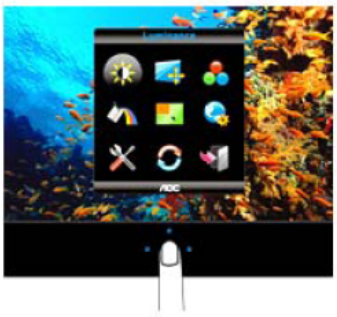
4

Press to exit.

	Brightness	0-100		Backlight Adjustment
	Contrast	0-100		Contrast from Digital-register.
	Eco mode	Standard		Standard Mode
		Text		Text Mode
		Internet		Internet Mode
		Game		Game Mode
		Movie		Movie Mode
		Sports		Sports Mode
	Gamma	Gamma1 Adjust		to Gamma1
		Gamma2		Adjust to Gamma 2
		Gamma3		Adjust to Gamma 3
	DCR	Off		Disable dynamic contrast ratio
		On		Enable dynamic contrast ratio
	i-Care	Off		Disable i-care
		On		Enable i-care

Image Setup

1

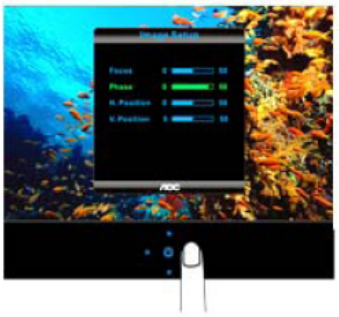


Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (Image Setup), and press to enter.

3



Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

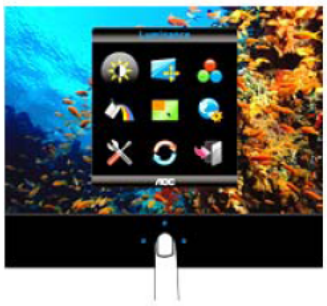
4

Press to exit.

	Clock	0-100	Adjust picture Clock to reduc e Vertical-Line noise.
	Phase 0-10	0	Adjust Picture Phase to reduc e Horizontal-Line noise
	H.Position	0-100	Adjust the hori zontal position of the picture.
	V.Position	0-100	Adjust the v erticalposition of the picture.

Color Temperature

1

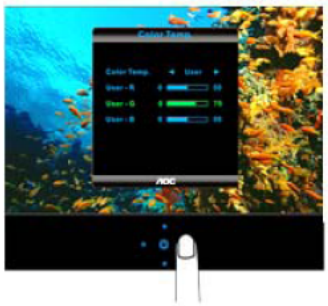


Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (Color Temperature); and press to enter.

3



Press (Up/Down) to select submenu, and press (Left /Right) to adjust.

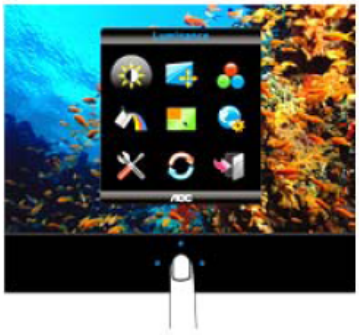
4

Press to exit.

	Warm	6500K	Recall W arm Color T emperature from EEPROM.
	Normal	7300K	Recall Norm al Color T emperature from EEPROM.
	Cool	9300K	Recall C ool Color T emperature from EEPROM.
	sRGB		Recall SRGB Col or T emperature from EEPROM.
	User	Red	Red Gain from Digital-register
		Green	Green Gain Digital-register.
		Blue	Blue Gain from Digital-register

Color Boost

1

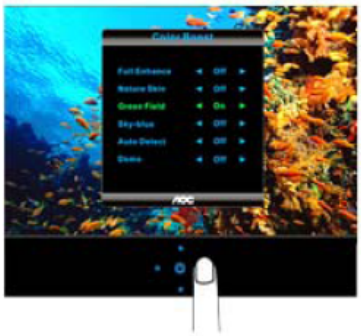


Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (Color Boost); and press to enter.

3



Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

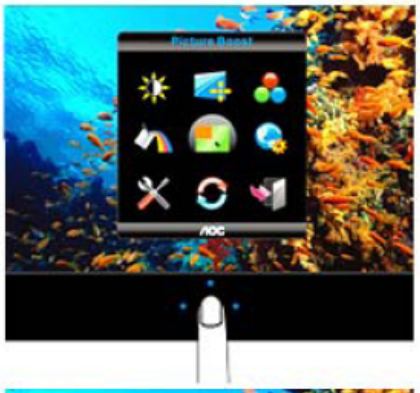
4

Press to exit.

	Full Enhance	on or off	Disable or Enable Full Enhance Mode
	Nature Skin	on or off	Disable or Enable Nature Skin Mode
	Green Field	on or off	Disable or Enable Green Field Mode
	Sky-blue	on or off	Disable or Enable Sky-blue Mode
	AutoDetect	on or off	Disable or Enable AutoDetect Mode
	Demo	on or off	Disable or Enable Demo

Picture Boost

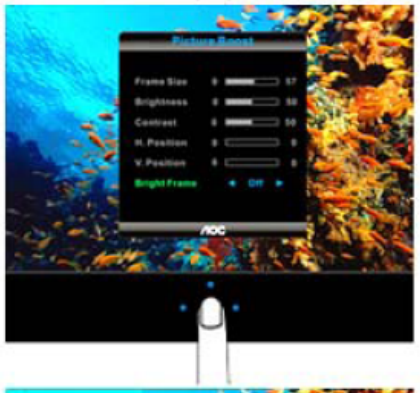
1



Press (Menu) to display MENU.

Press (Left/Right/Up/Down) to select (Picture Boost); and press to enter .

2



Press (Up/Down) to select Bright Frame. Select “on” to activate Picture Boost.

3

Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

4

Press to exit.

	Frame Size	14-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	H. position	0-100	Adjust Frame horizontal Position
	V.position	0-100	Adjust Frame vertical Position
	Bright Frame	on or off	Disable or Enable Bright Frame

OSD Setup

1

Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (OSD Setup); and press to enter.

3

Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

4

Press to exit.

	OSD Setup		
	H.Position	0-100	Adjust the h orizontal posit ion of OSD
	V.Position	0-100	Adjust the vertical position of OSD
	Timeout	5-120	Adjust the OSD Timeout
	Transparence	0-100	Adjust the transparence of OSD
	Language		Select the OSD language
	LED Desk Light	0-100	Adjust the luminance of light bar

Extra

1

Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (OSD Setup); and press to enter.

3

Press (Up/Down) to select submenu, and press (Left/Right) to adjust.

4

Press to exit.

	Input Select	Auto	Select to Auto Detect input signal
		Analog	Select Analog Signal Source as Input
		DVI	Select Analog Signal Source as Input
	Auto Config	yes or no	Auto adjust the picture to default
	Image Ratio	wide or 4:3	Select wide or 4:3 format for display
	DDC-CI	yes or no	Turn ON/OFF DDC-CI Support
	Off Timer	0~24hours	Select timing to turn off the monitor.
	Information		Show the information of the main image and sub-image source

Reset

1

Press (Menu) to display menu.

2

Press (Left/Right/Up/Down) to select (OSD Setup); and press to enter.

3

Press (Left/Right) to select YES or NO.

4

Press to exit.

	Reset	yes or no	Reset the menu to default

Exit

1

Press (Menu) to display menu.

2

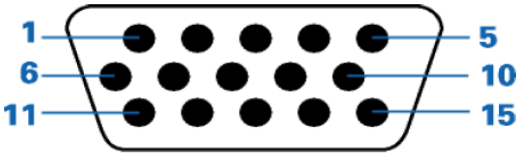
Press (Left/Right/Up/Down) to select (OSD Setup); and press to enter.

	Exit		Exit the main OSD

4. Input/Output Specification

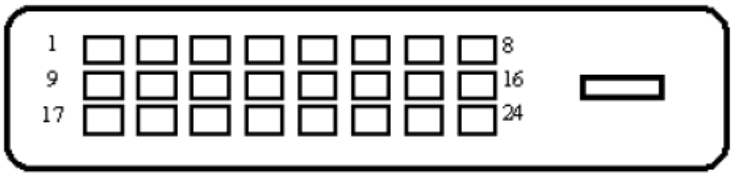
4.1 Input Signal Connector

Analog connectors



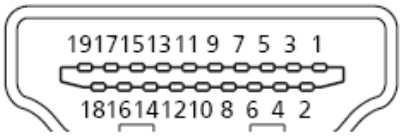
Pin Number	15-Pin Side of the Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	N.C.
5	Detect Cable
6	GND-R
7	GND-G
8	GND-B
9	+5V
10	Ground
11	N.C.
12	DDC-Serial data
13	H-sync
14	V-sync
15	DDC-Serial clock

DVI connectors



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	TMDS Data 2-	9	TMDS Data 1-	17	TMDS Data 0-
2	TMDS Data 2+	10	TMDS Data 1+	18	TMDS Data 0+
3	TMDS Data 2/4 Shield	11	TMDS Data 1/3 Shield	19	TMDS Data 0/5 Shield
4	TMDS Data 4-	12	TMDS Data 3-	20	TMDS Data 5-
5	TMDS Data 4+	13	TMDS Data 3+	21	TMDS Data 5+
6	DDC Clock	14	+5V Power	22	TMDS Clock Shield
7	DDC Data	15	Ground(for+5V)	23	TMDS Clock +
8	N.C.	16	Hot Plug Detect	24	TMDS Clock -

HDMI connectors



1	HDMI data 2+	11	HDMI Clock Shield
2	HDMI data 2 Shield	12	HDMI Clock-
3	HDMI data 2-	13	CE remote
4	HDMI data 1+	14	N/A
5	HDMI data 1 Shield	15	DDC Clock
6	HDMI data 1-	16	DDC Data
7	HDMI data 0+	17	GND
8	HDMI data 0 Shield	18	+5V Power
9	HDMI data 0-	19	HP DET
10	HDMI Clock+		

4.2 Factory Preset Display Modes

Standard	Resolution	H. Frequency (kHz)	V. Frequency (kHz)
VGA	640x480@60Hz	31.469	59.94
	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.5	75
SVGA	800x600@56Hz	35.156	56.25
	800x600@60Hz	37.879	60.317
	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75
XGA	1024x768@60Hz	48.363	60.004
	1024x768@70Hz	56.476	70.069
	1024x768@72Hz	57.669	71.996
	1024x768@75Hz	60.023	75.029
SXGA	1280x1024@60Hz	63.981	60.02
	1280x1024@70Hz	74.882	69.853
	1280x1024@72Hz	63.981	60.02
	1280x1024@75Hz	79.976	75.025
WXGA	1440x900@60Hz	55.935	55.887
WSXGA	1680x1050@60Hz	65.29	59.95
***	1152x864@75HZ	67.5	75
	1280x960@60HZ	60	60
WUXGA	1920x1080@60HZ	67.5	59.934
IBM-MODE DOS	720x400@70Hz	31.469	70.087
MAC MODE VGA	640x480@67Hz	35	66.667
MAC MODE SVGA	832x624@75Hz	49.725	74.551

4.3 Panel Specification

4.3.1 General Features

This specification applies to the 21.5 inch-wide Color a-Si TFT-LCD Module M215HW01.The display supports the Full HD - 1920(H) x 1080(V) screen format and 16.7M colors (RGB 6-bits + Hi-FRC data). All input signals are 2-channel LVDS interface and this module doesn't contain a driver board for backlight.

4.3.2 Display Characteristics

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	546.86(21.53")
Active Area	[mm]	476.64 (H) x 268.11 (V)
Pixels H x V		1920(x3) x 1080
Pixel Pitch	[um]	248.25 (per one triad) ×248.25
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		TN Mode, Normally White
White Luminance (Center)	[cd/m^2]	250cd/m^2 (Typ.)
Contrast Ratio		1000 (Typ.)
Optical Response Time	[msec]	5ms (Typ., on/off)
Nominal Input Voltage VDD	[Volt]	+5.0 V
Power Consumption (VDD line + LED line)	[Watt]	15.1 (Typ.) (without driver board, all black pattern)
Weight	[Grams]	1800 (max.)
Physical Size	[mm]	495.6(W) × 292.2(H) × 10.2(D) Typ.
Electrical Interface		Dual channel LVDS
Support Color		16.7M colors (RGB 6-bit + Hi_FRC)
Surface Treatment		Anti-Glare, 3H
Temperature Range Operating Storage (Shipping)	 [°C] [°C]	 0 to +50 -20 to +60
RoHS Compliance		RoHS Compliance
TC0'03 Compliance		TC0'03 Compliance

Reference Only 2010/5/29

4.3.3 Electrical Characteristics

Symbol	Parameter	Min	Typ	Max	Units
VTH	Differential Input High Threshold	-	+50	+100	[mV]
VTL	Differential Input Low Threshold	-100	-50	-	[mV]
|VID|	Input Differential Voltage	100	-	600	[mV]
VCM	Differential Input Common Mode Voltage	+1.0	+1.2	+1.5	[V]

Backlight Unit

Symbol	Parameter	Min.	Typ.	Max.	Unit
IR_{LED}	LED Operation Current	-	20	30	[mA]
V_{LB}	Light Bar Operation Voltage (for reference)	29	32	34	[Volt] Note 1
P_{BLU}	BLU Power consumption (for reference)	8.8	10.2	11.4	[Watt]
Vf	Forward Voltage	2.9	3.2	3.4	
LT_{LED}	LED life Time	25,000	30,000	--	[Hour] Note 2

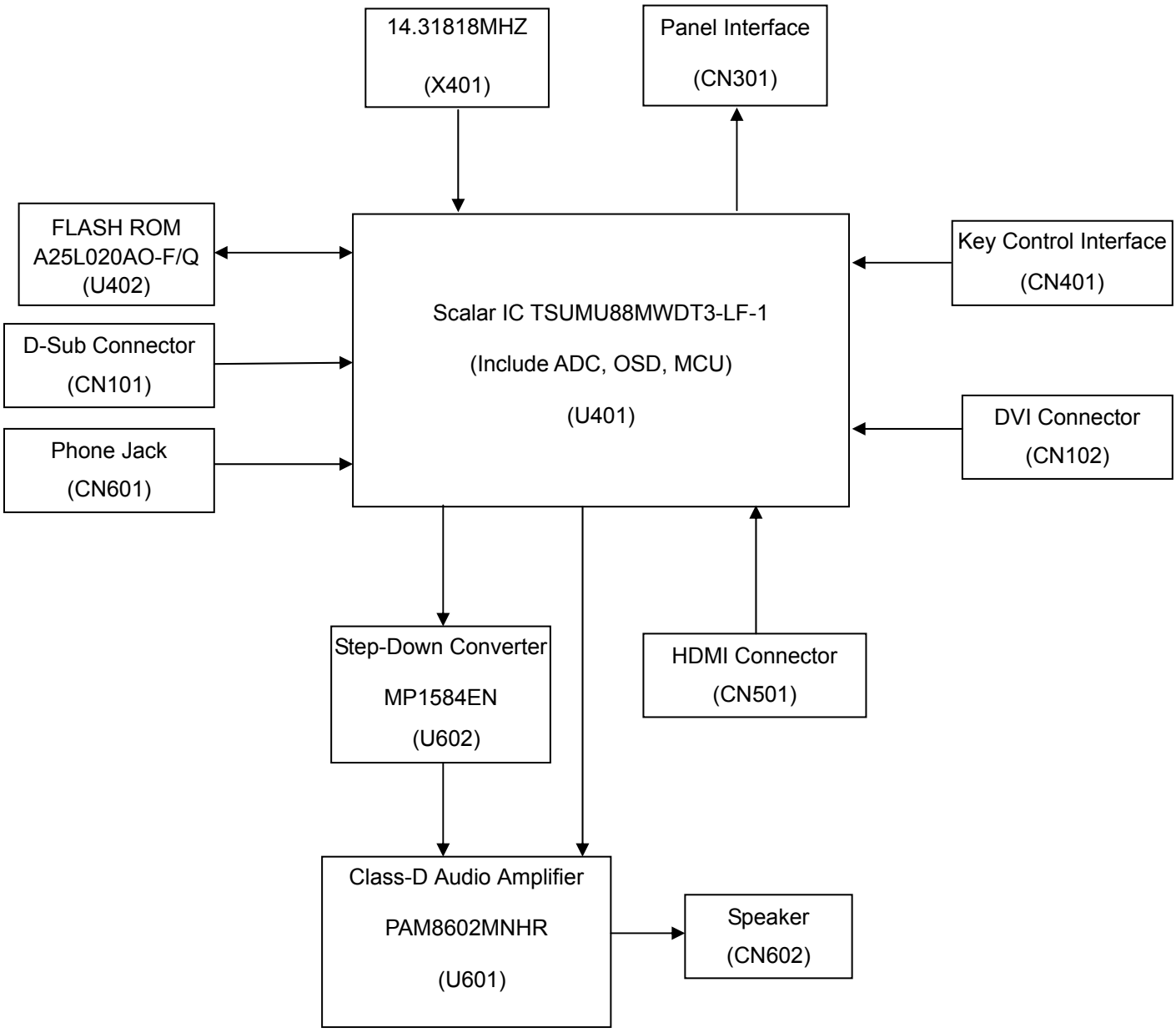
4.3.4 Optical Characteristics

Item	Unit	Conditions	Min.	Typ.	Max.
Viewing Angle	[degree]	Horizontal (Right) CR = 10 (Left)	150	170	- -
		Vertical (Up) CR = 10 (Down)	140	160	- -
Contrast ratio		Normal Direction	600	1000	-
Response Time	[msec]	Raising Time (T_{rR})	-	3.8	5.5
		Falling Time (T_{rF})	-	1.2	2.5
		Raising + Falling	-	5	8
Color / Chromaticity Coordinates (CIE)		Red x	0.607	0.637	0.667
		Red y	0.319	0.349	0.379
		Green x	0.303	0.333	0.363
		Green y	0.575	0.605	0.635
		Blue x	0.118	0.148	0.178
		Blue y	0.031	0.061	0.091
Color Coordinates (CIE) White		White x	0.283	0.313	0.343
		White y	0.299	0.329	0.359
Central Luminance	[cd/m^2]		200	250	-
Luminance Uniformity	[%]		70	75	-
Crosstalk (in 60Hz)	[%]				1.5
Flicker	dB				-20

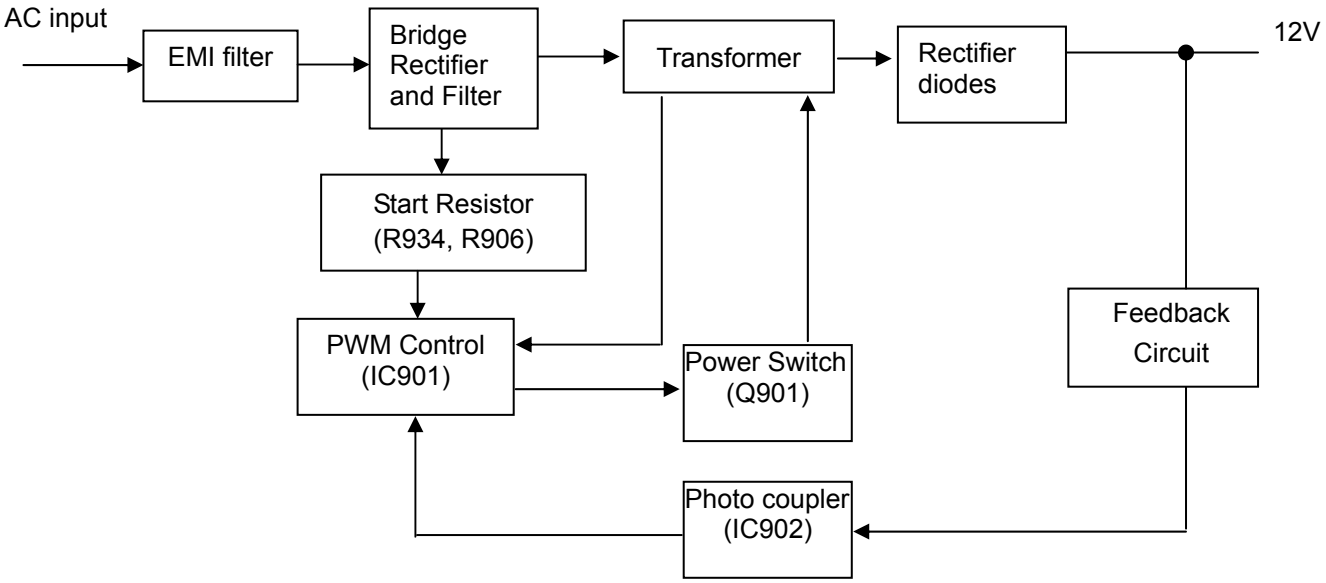
Only / 2010/3/29

5. Block Diagram

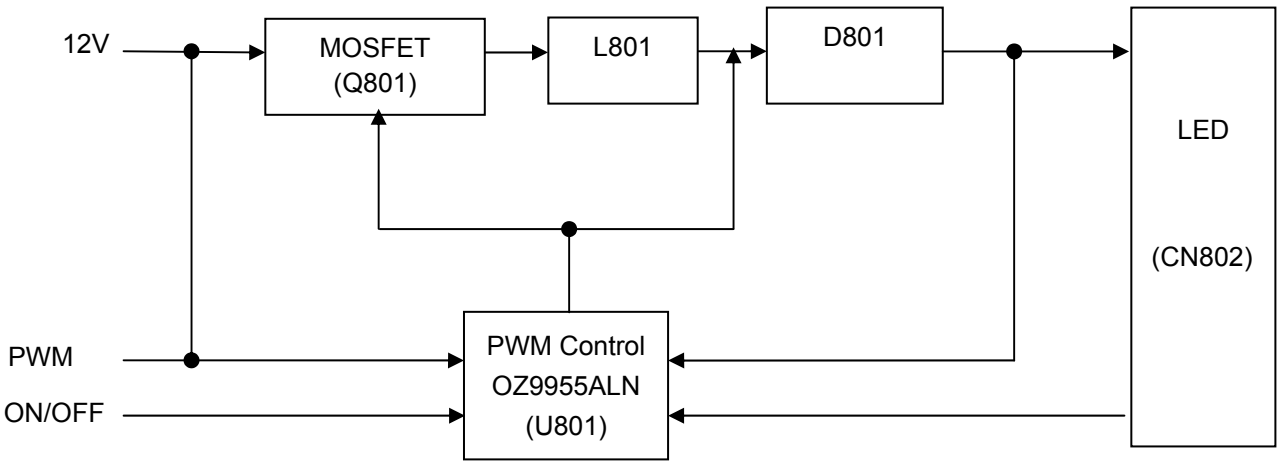
5.1 Main Board

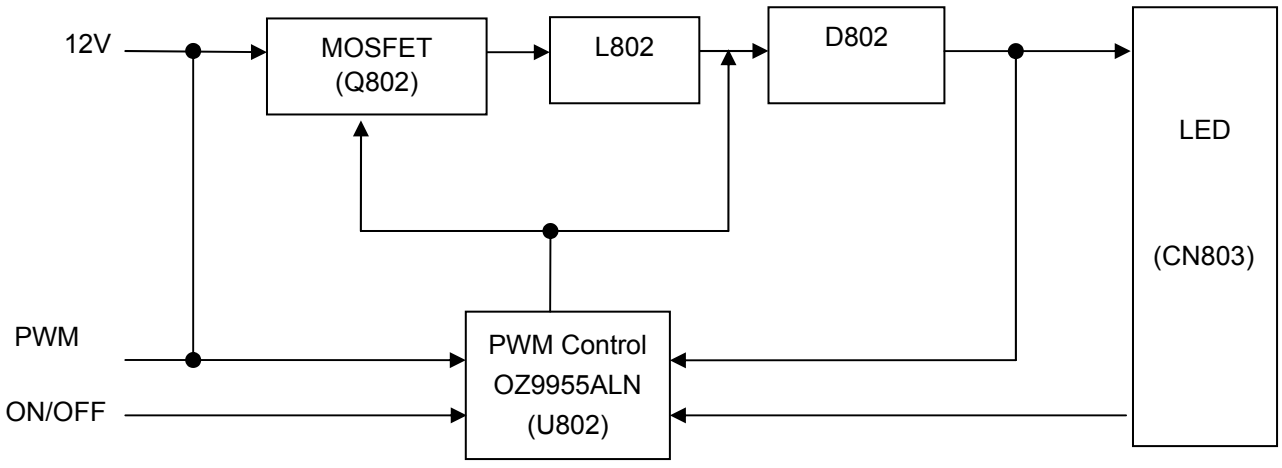


5.2 Power Board

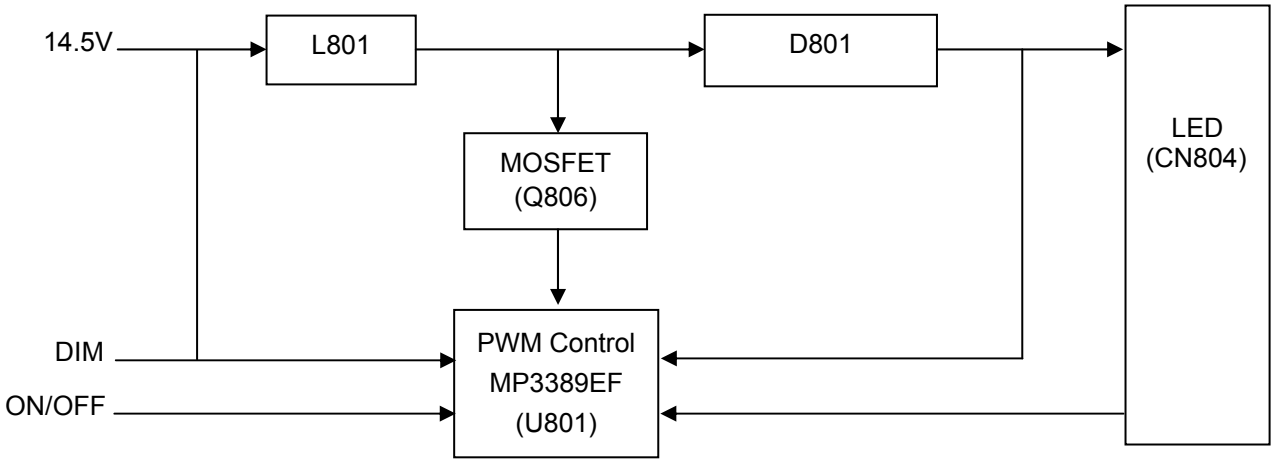


Converter





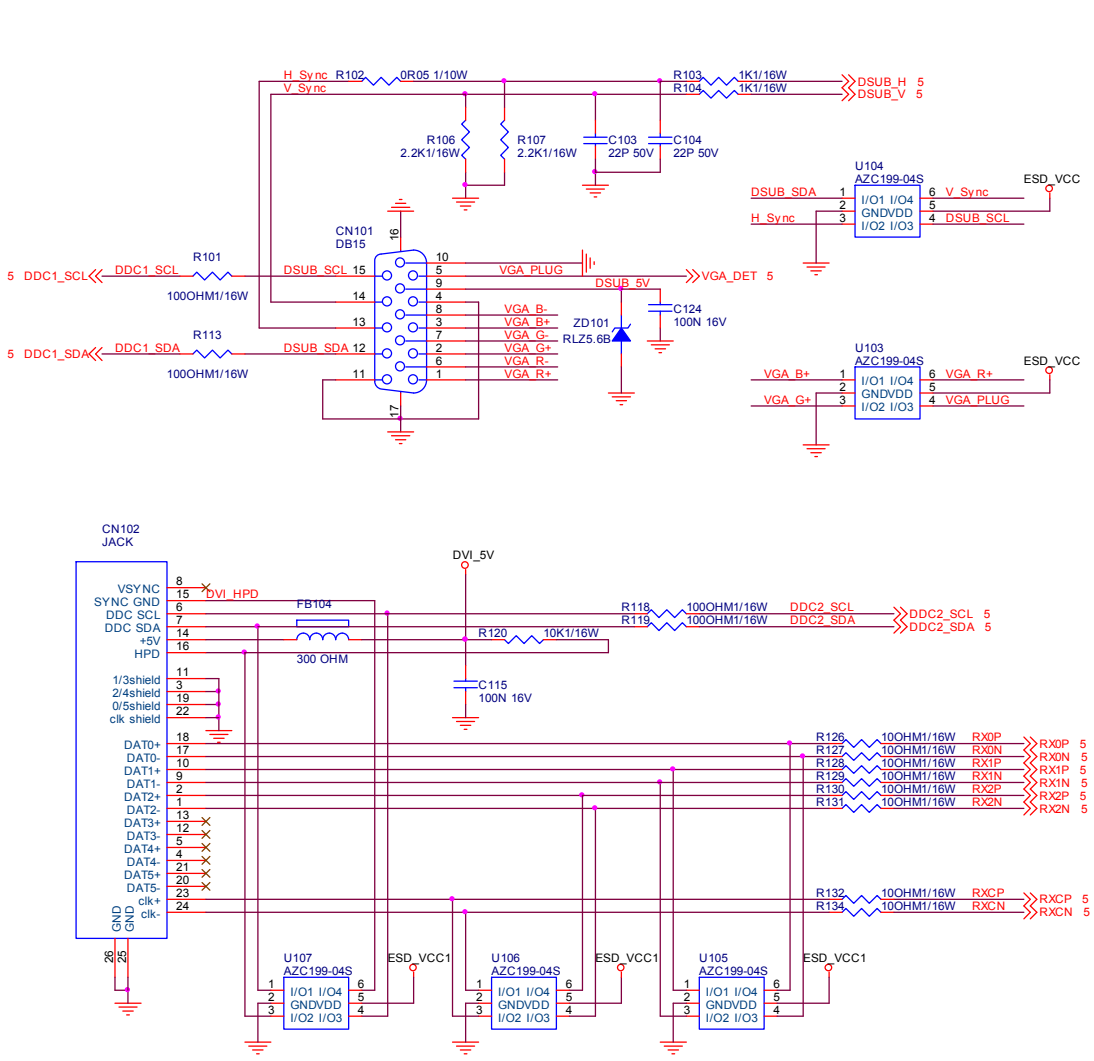
715G4128P02000004F
Converter

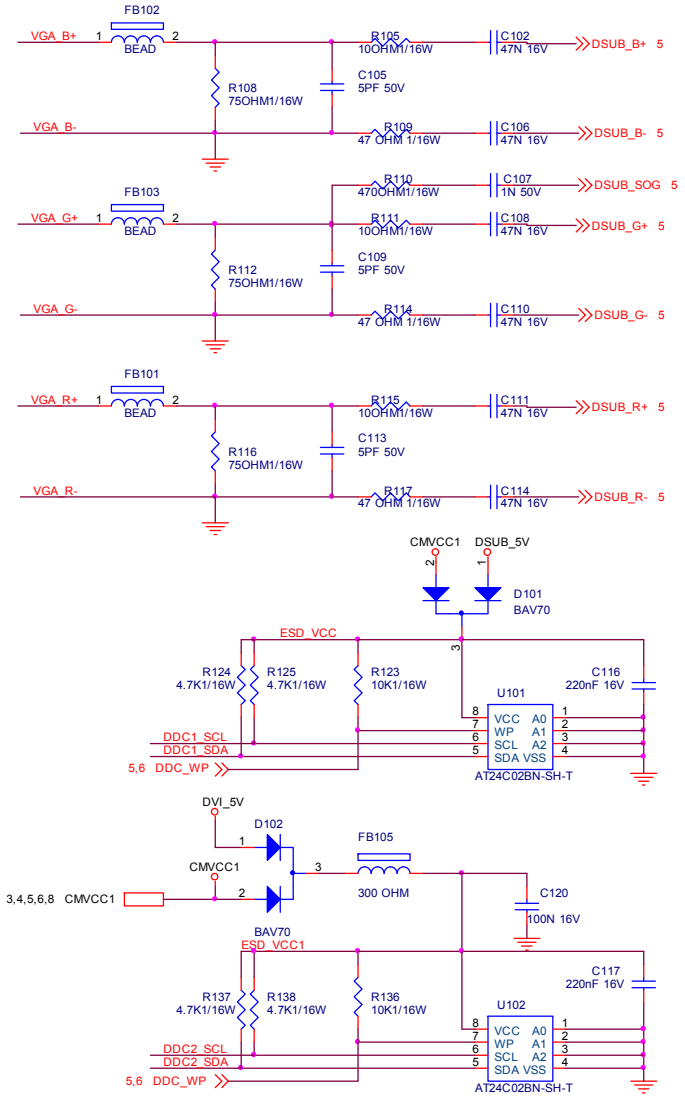


6. Schematic

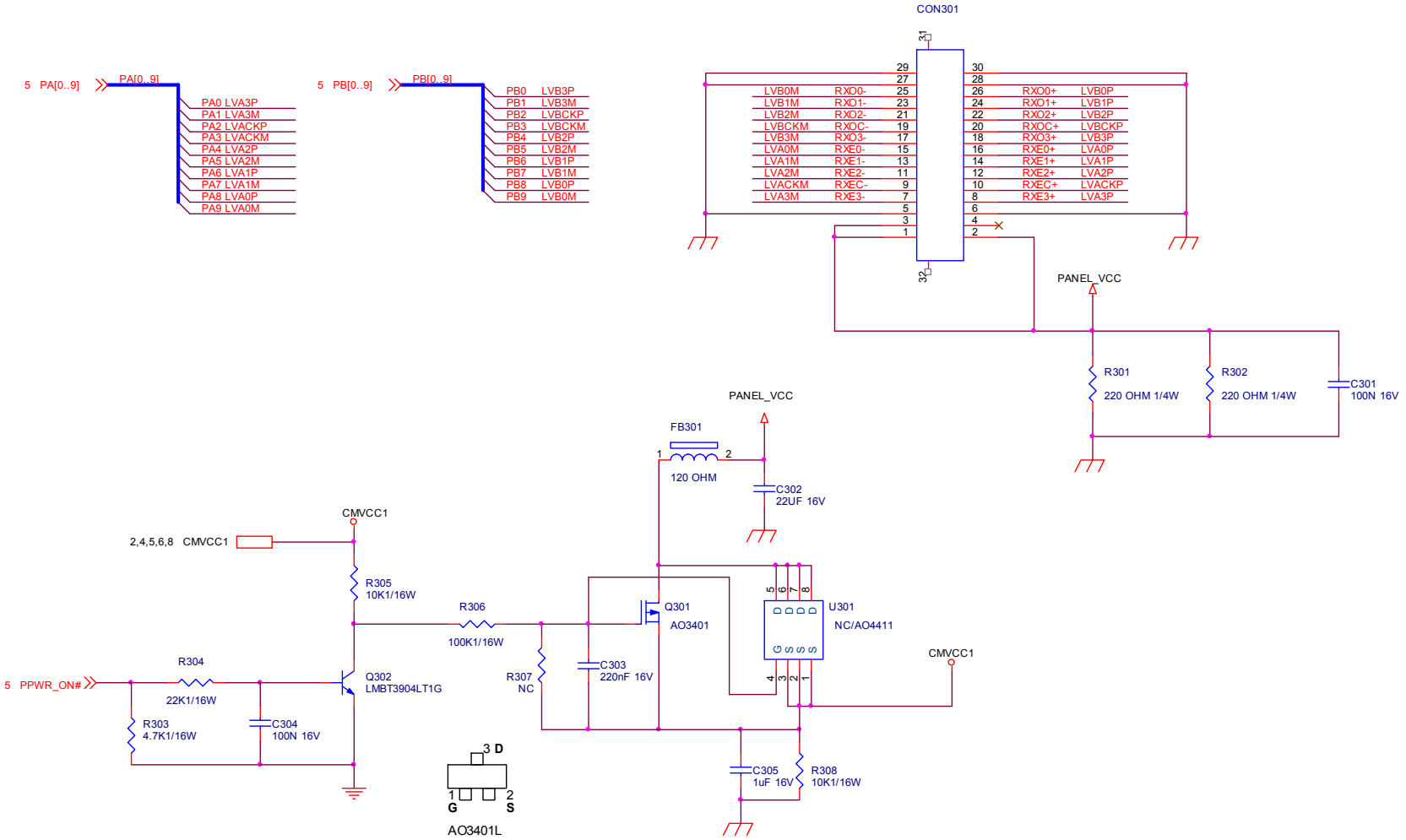
6.1 Main Board

715G3603M02000004L

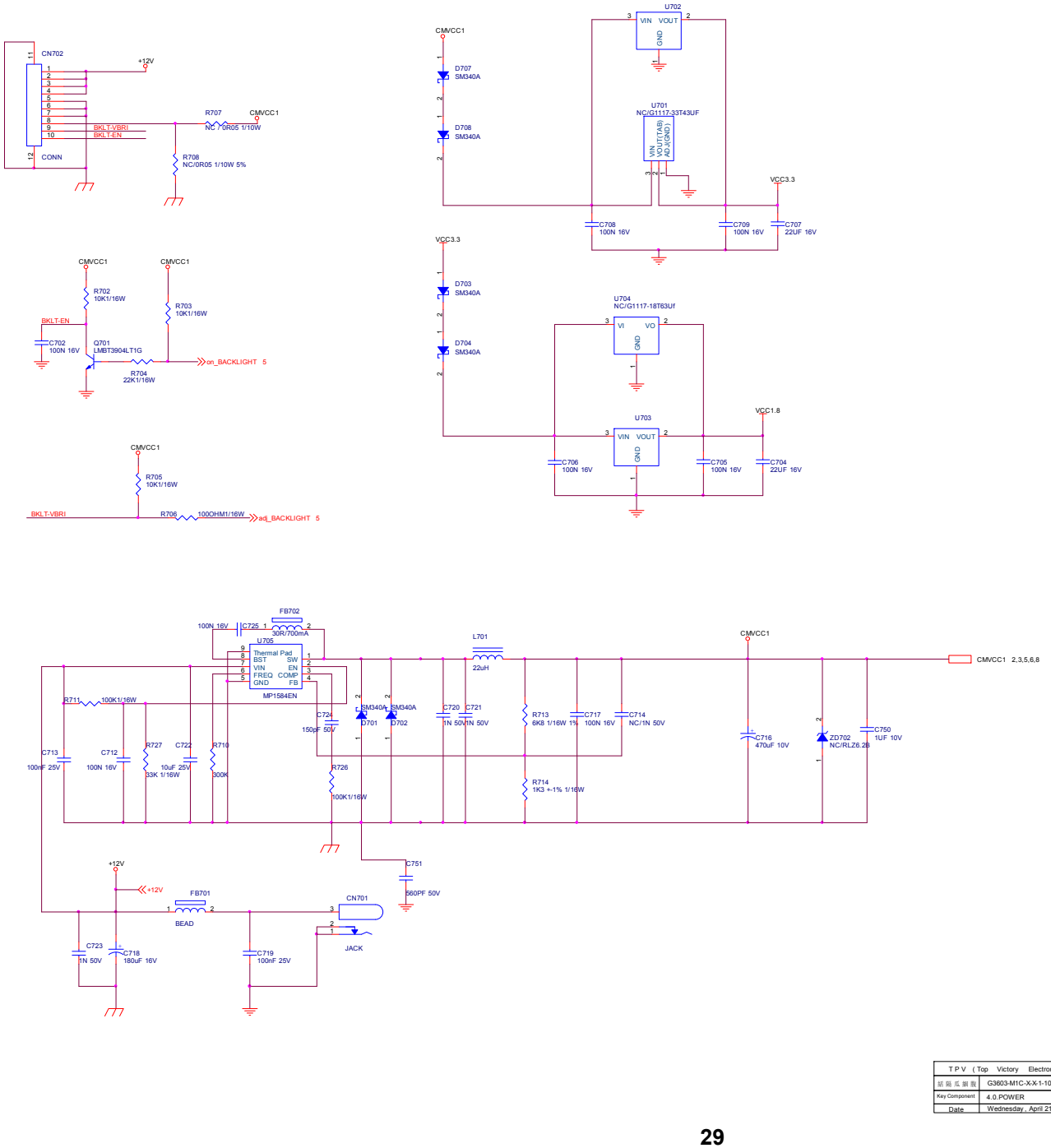




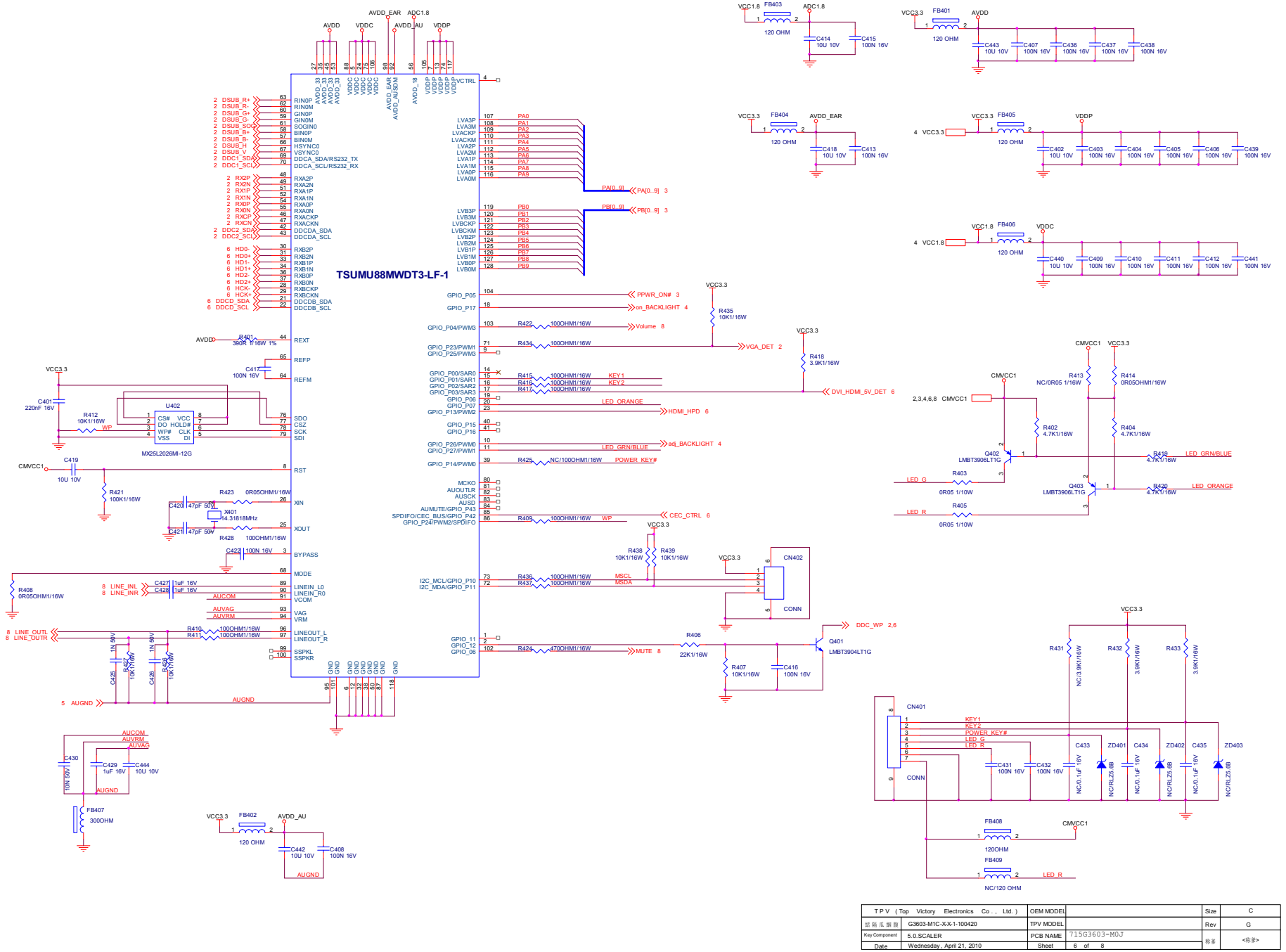
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
結 篇 瓜 綢 腹	G3603-M1C-X-X-1-100420	TPV MODEL		Rev	G
Key Component	2.0.INPUT	PCB NAME	715G3603-M0J	称爹	<称爹>
Date	Tuesday, April 20, 2010	Sheet	3 of 8		

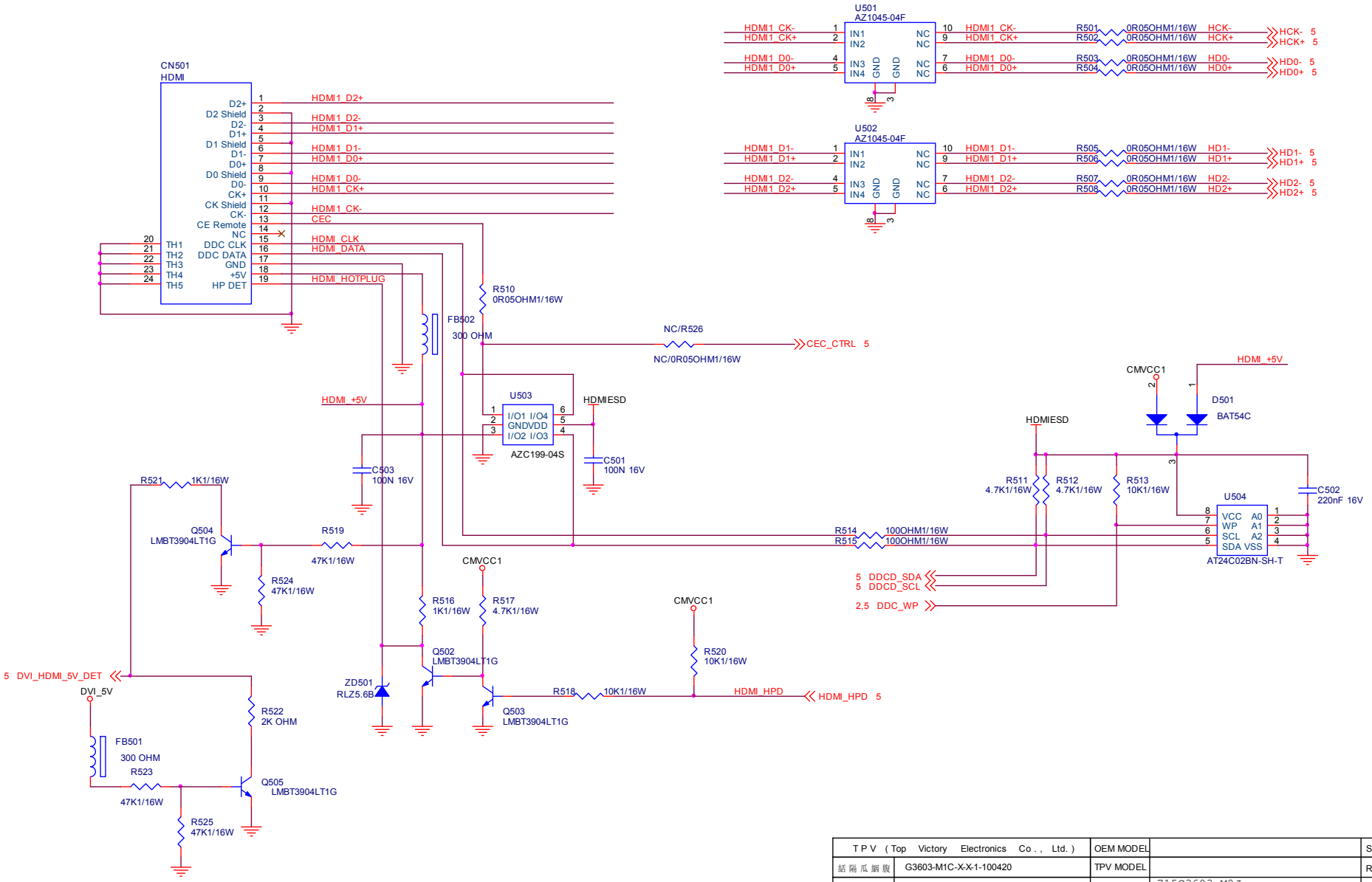


T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
結 隔 瓜 綢 腹	G3603-M1C-X-X-1-100420	TPV MODEL		Rev	G
Key Component	3.0.OUTPUT	PCB NAME	715G3603-M0J	称爹	<称爹>
Date	Tuesday , April 20, 2010	Sheet	4 of 8		

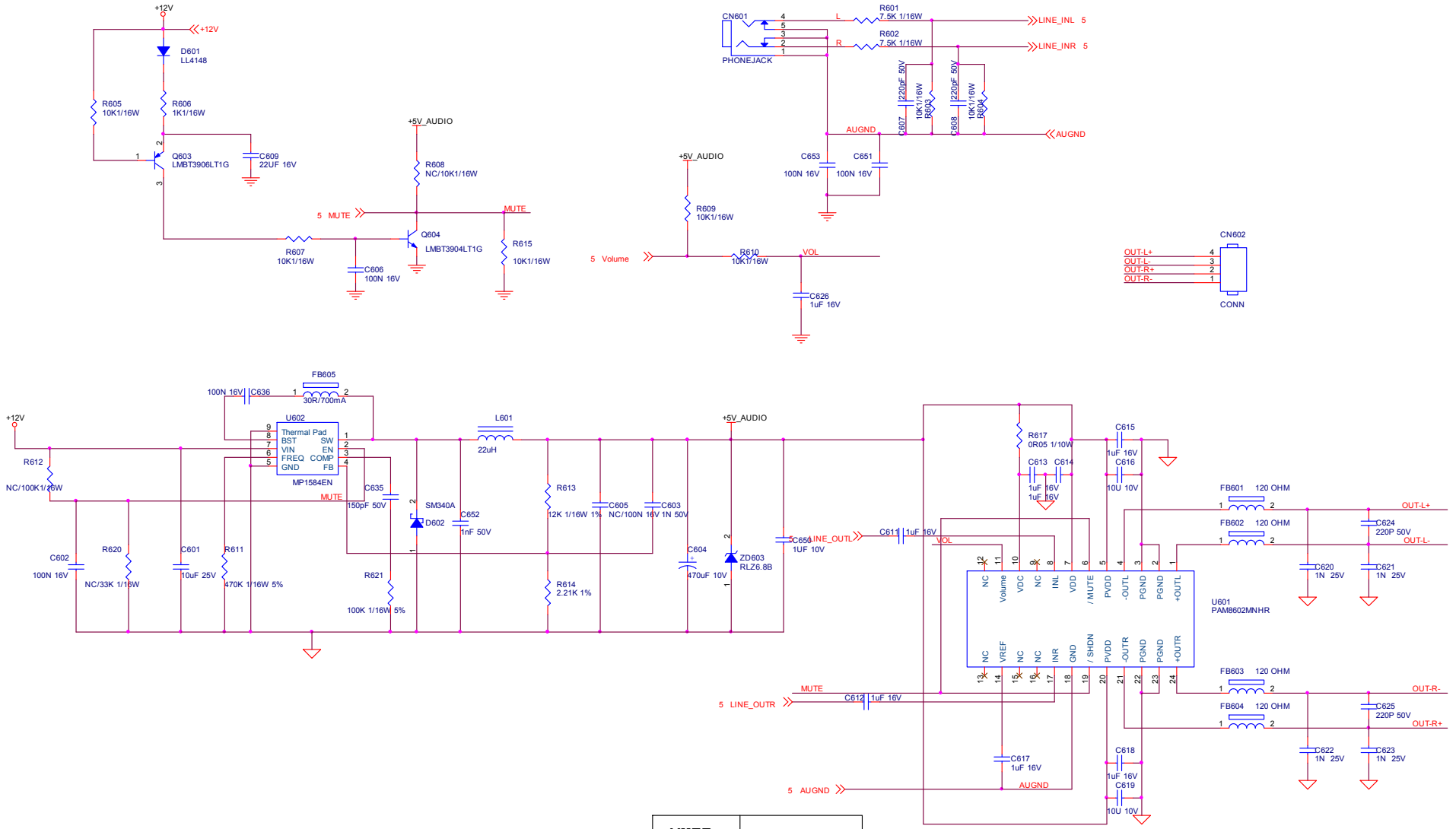


T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL		Size	C
版 面 瓜 旗 版	G3603-M1C-X-X-1-100420	TPV MODEL		Rev	G
Key Component	4.0.POWER	PCB NAME	715G3603-M0J	标准	<标准>
Date	Wednesday, April 21, 2010	Sheet	5 of 8		


TSUMU88MWDT3-LF-1
MX25L2026MI-12G
U402
X401
14.31818MHz
CN401
CN402
CONN
Q401
LMBT3904LT1G
Q402
LMBT3906LT1G
Q403
LMBT3906LT1G
AVDD
VDDC
AVDD_EAR
ADC1.8
AVDD_AU
VDDP
VCC3.3
VCC1.8
CMVCC1
AUGND
PA[0..9]
PB[0..9]
PPWR_ON# 3
on_BACKLIGHT 4
Volume 8
VGA_DET 2
DVI_HDMI_5V_DET 6
HDMI_HPD 6
LED_ORANGE
adj_BACKLIGHT 4
LED_GRN/BLUE
POWER_KEY# 6
CEC_CTRL 6
DDC_WP 2,6
MUTE 8
MSCL
MSDA
KEY1
KEY2
LED_G
LED_R
LED_GRN/BLUE
LED_ORANGE
TPV (Top Victory Electronics Co., Ltd.)
OEM MODEL
TPV MODEL
G3603-M1C-X-X-1-100420
PCB NAME
715G3603-M0J
Key Component
5.0.SCALER
Date
Wednesday, April 21, 2010
Sheet
6 of 8
Size
C
Rev
G



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	B
紜 陋 瓜 綱 腹	G3603-M1C-X-X-1-100420	TPV MODEL		Rev	G
Key Component	7.0.HDMI INPUT	PCB NAME	715G3603-M0J	称爹	<称爹>
Date	Wednesday , April 21, 2010	Sheet	7 of 8		

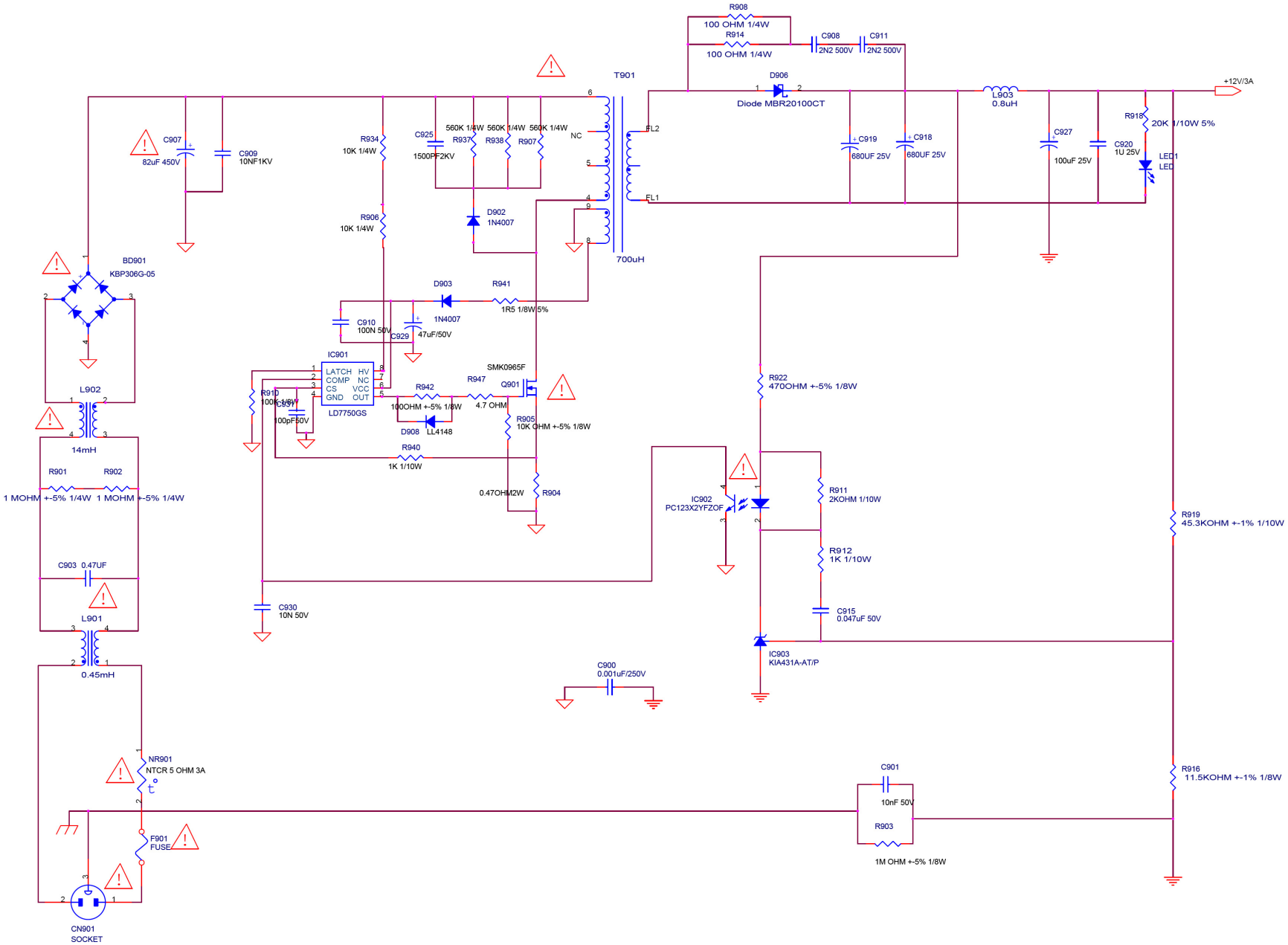


Del bead, Add GND area

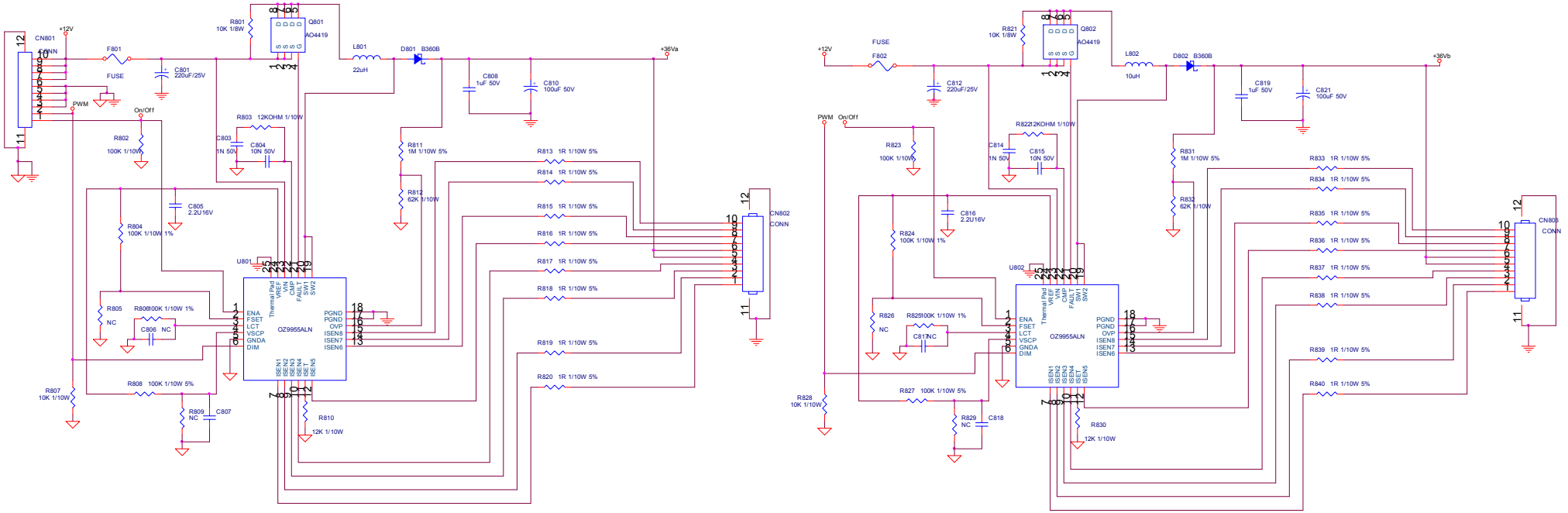
MUTE	
LOW	POWER OFF
HI	POWER ON

T P V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	Custom
結 隔 瓜 銅 脫	G3603-M1C-X-X-1-100420	TPV MODEL		Rev	G
Key Component	6.0.AUDIO	PCB NAME	715G3603-M0J	称爹	<称爹>
Date	Tuesday, April 27, 2010	Sheet	8 of 8		

6.2 Power Board
715G3980P02000003S

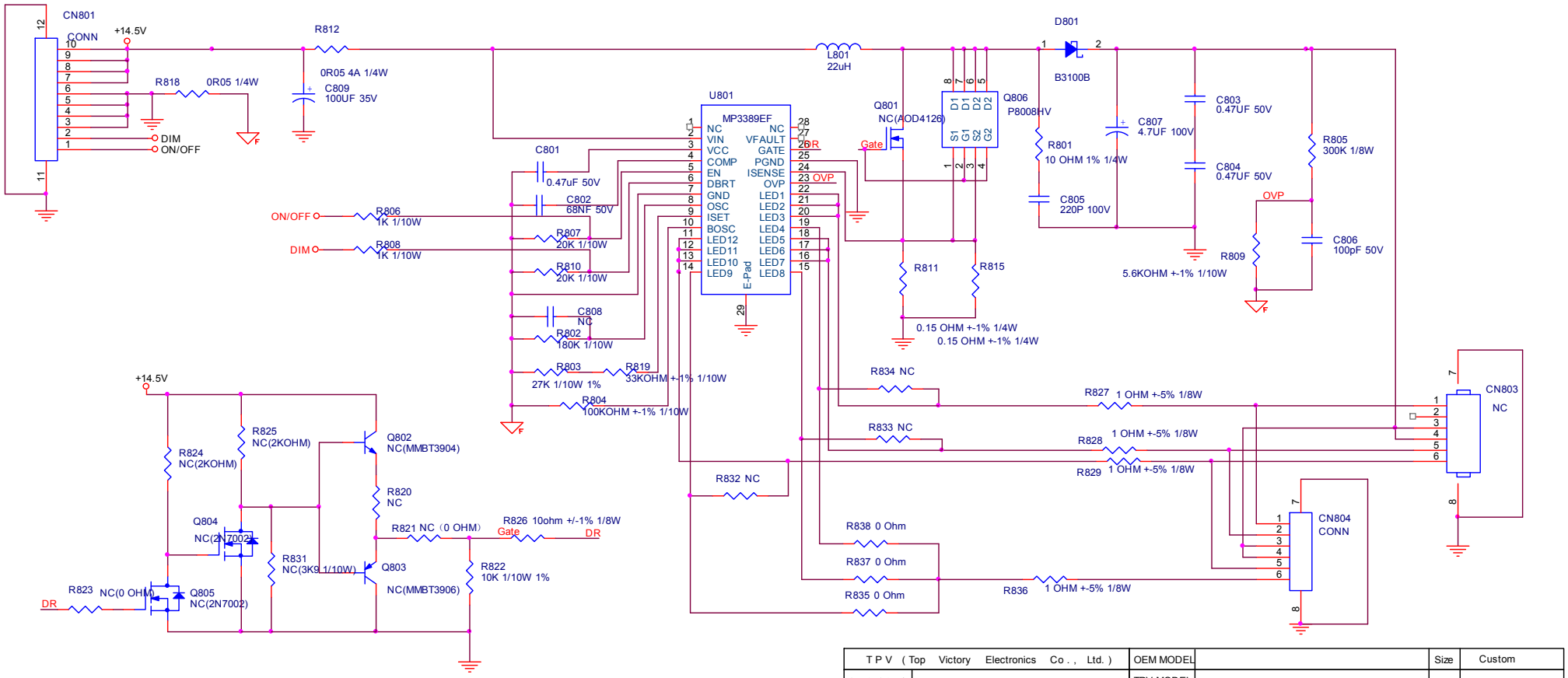


715G3622P01000004L



T.P.V (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	A2
拓 荊 瓜 飄 股	715G3622-P0A-000-X-1-090720	TPV MODEL	ADPC93602AB1	Rev	A
Key Component	02.POWER	PCB NAME	715G3622-P0C-000-004S	称 多	ODM MODEL
Date	Thursday, November 12, 2009	Sheet	2 of 2		

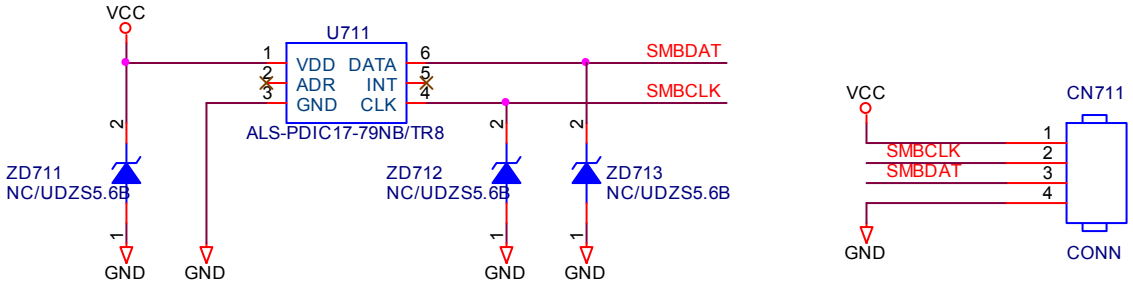
715G4128P02000004F



T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL		Size	Custom
結 隔 瓜 網 腹	G4128-P0A-000-0040-6-100701	TPV MODEL		Rev	A
Key Component	01.CONVERTER	PCB NAME	715G4128-P0A-000-0040	称爹	ODM MODEL
Date	Thursday, July 01, 2010	Sheet	1 of 1		

6.3 Light Sensor Board

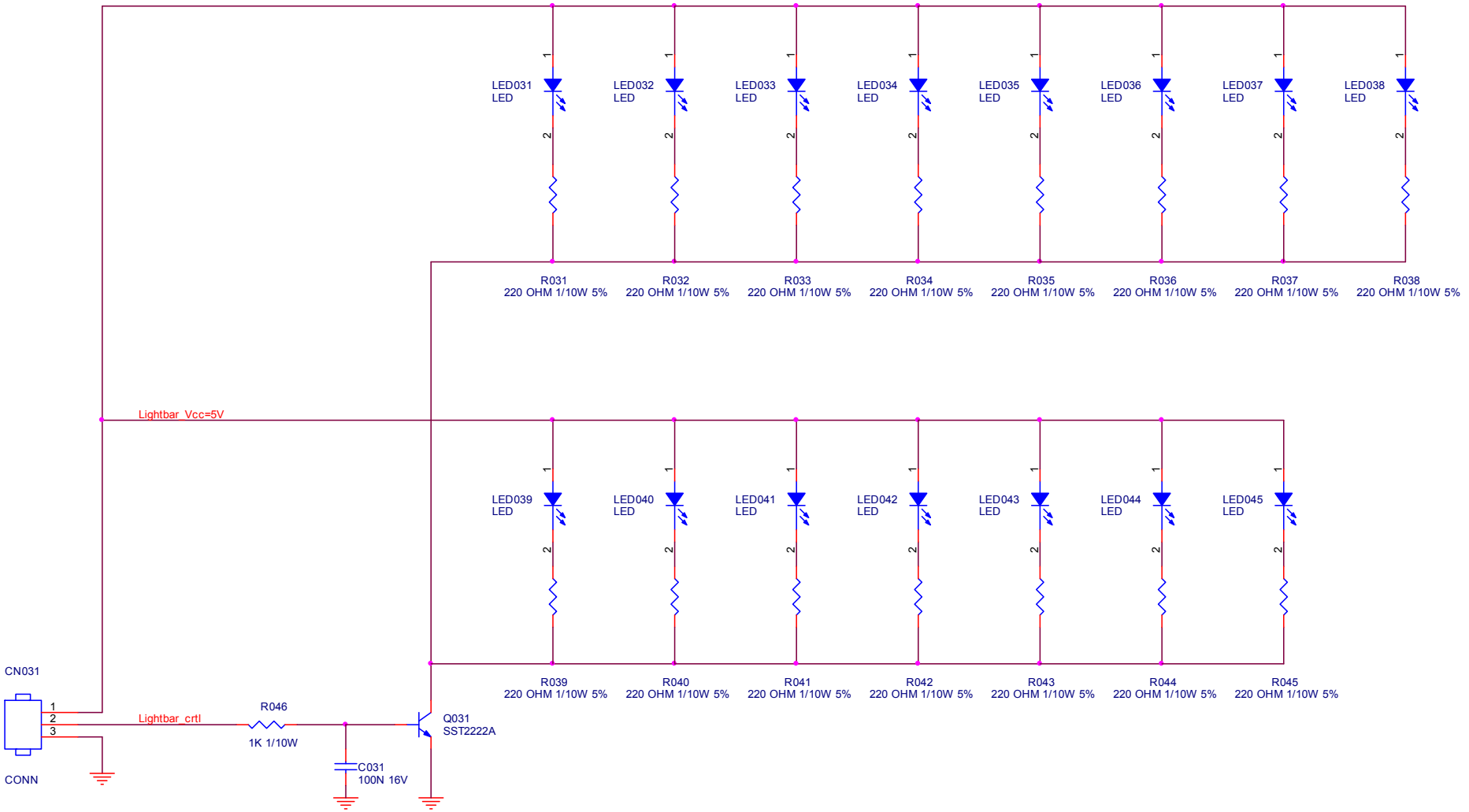
715G3637T01000004S



T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	A
結 隔 瓜 網 腹	G3637-T0B-000-0040-090909	TPV MODEL		Rev	B
Key Component	ALS-PDIC17-79NB/TR8	PCB NAME	715G3637-T0B	称爹	<称爹>
Date	Wednesday, September 09, 2009	Sheet	2 of 2		

6.4 LED Board

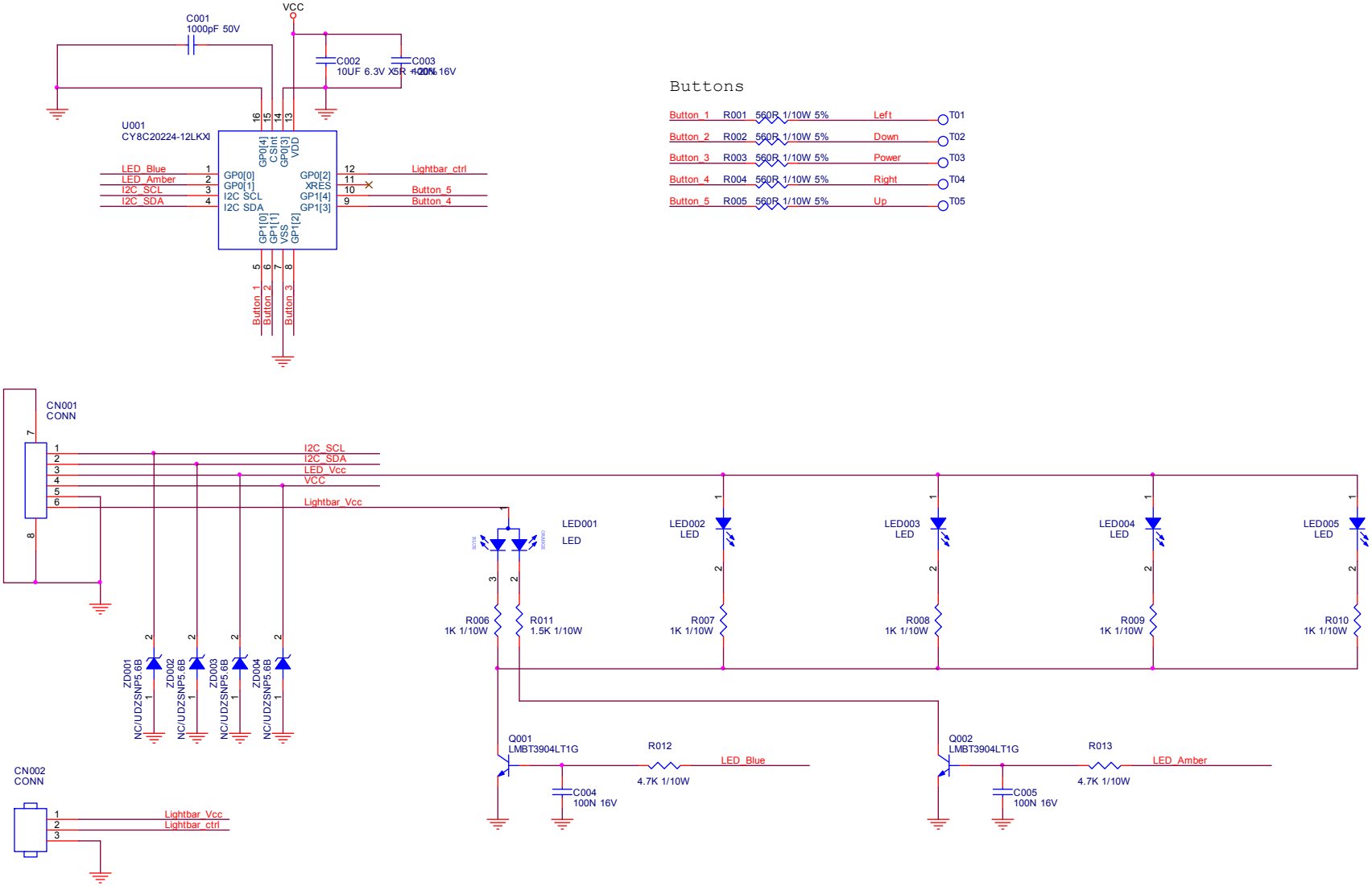
715G3757T01000004L



T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
线路图编号	G3757-T0B-000-0040-090721	TPV MODEL		Rev	B
Key Component	02 light bar	PCB NAME	715G3757-T0B	备注	<称爹>
Date	Friday , September 25, 2009	Sheet	1 of 2		

6.5 Key Board

715G3646K01000004W

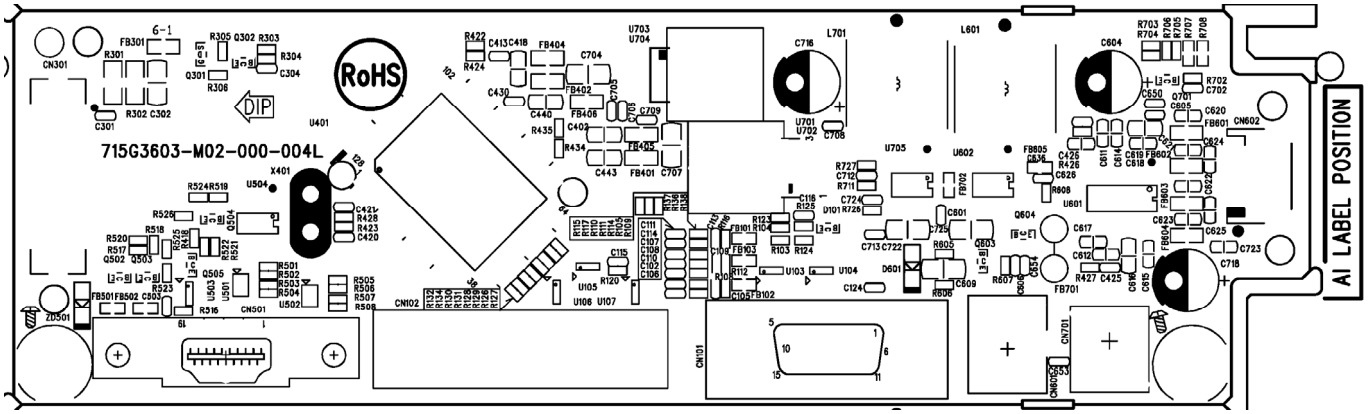


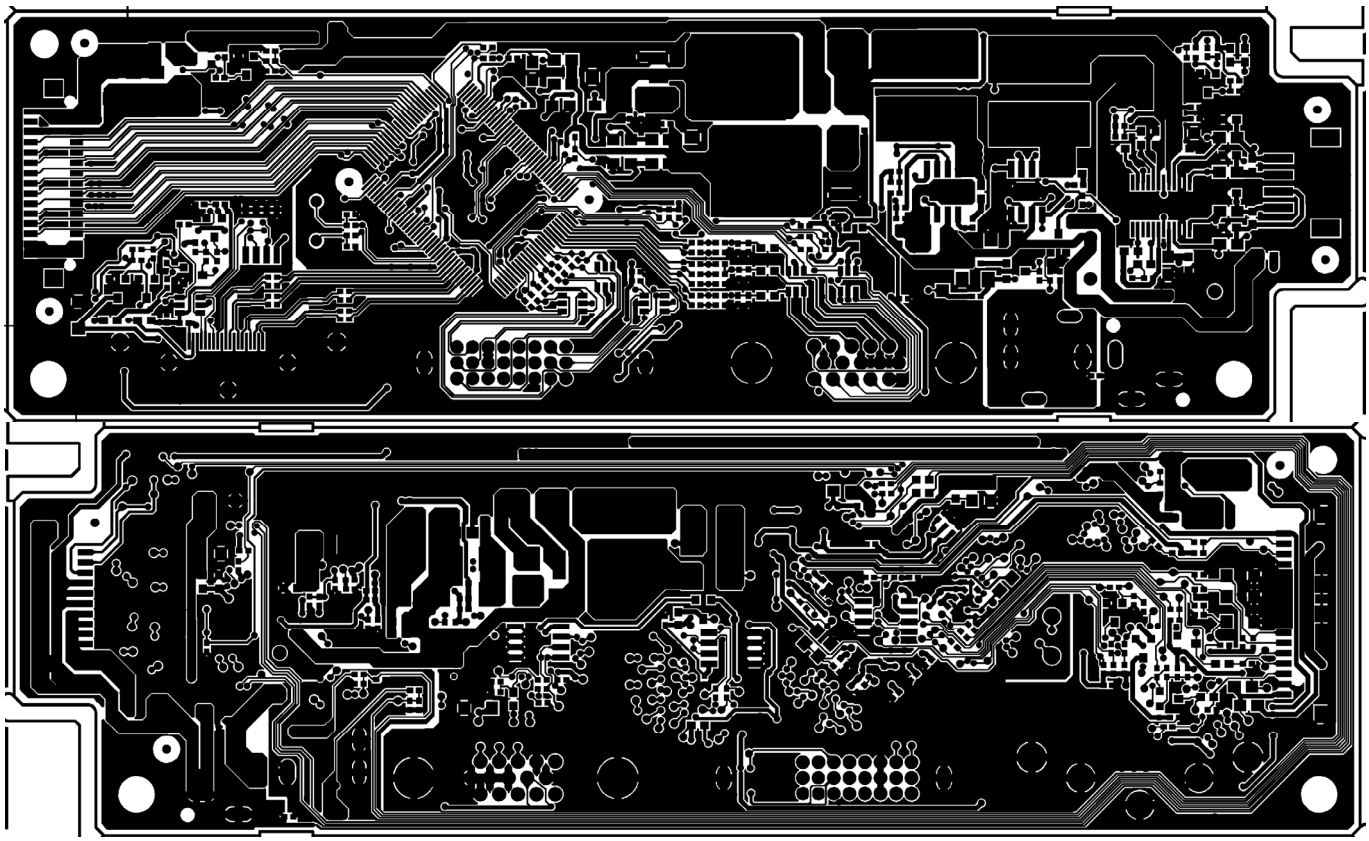
T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
結 隔 瓜 錮 腹	G3646-K01-X-X-1-100427.DSN	TPV MODEL		Rev	E
Key Component	2.0.key	PCB NAME	715G3646-K0E	称爹	<称爹>
Date	Tuesday , April 27, 2010	Sheet	2 of 2		

7. PCB Layout

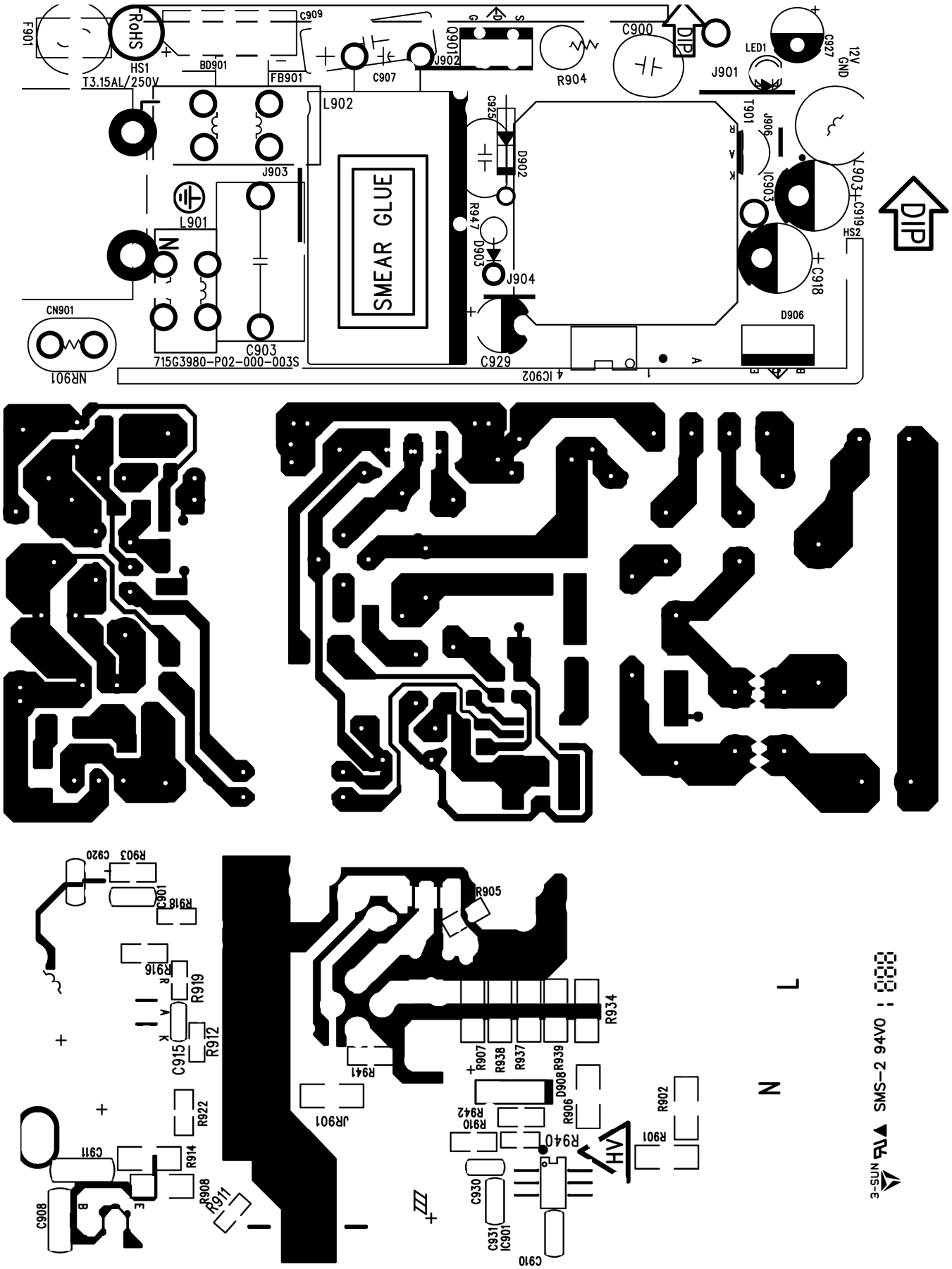
7.1 Main Board

715G3603M02000004L

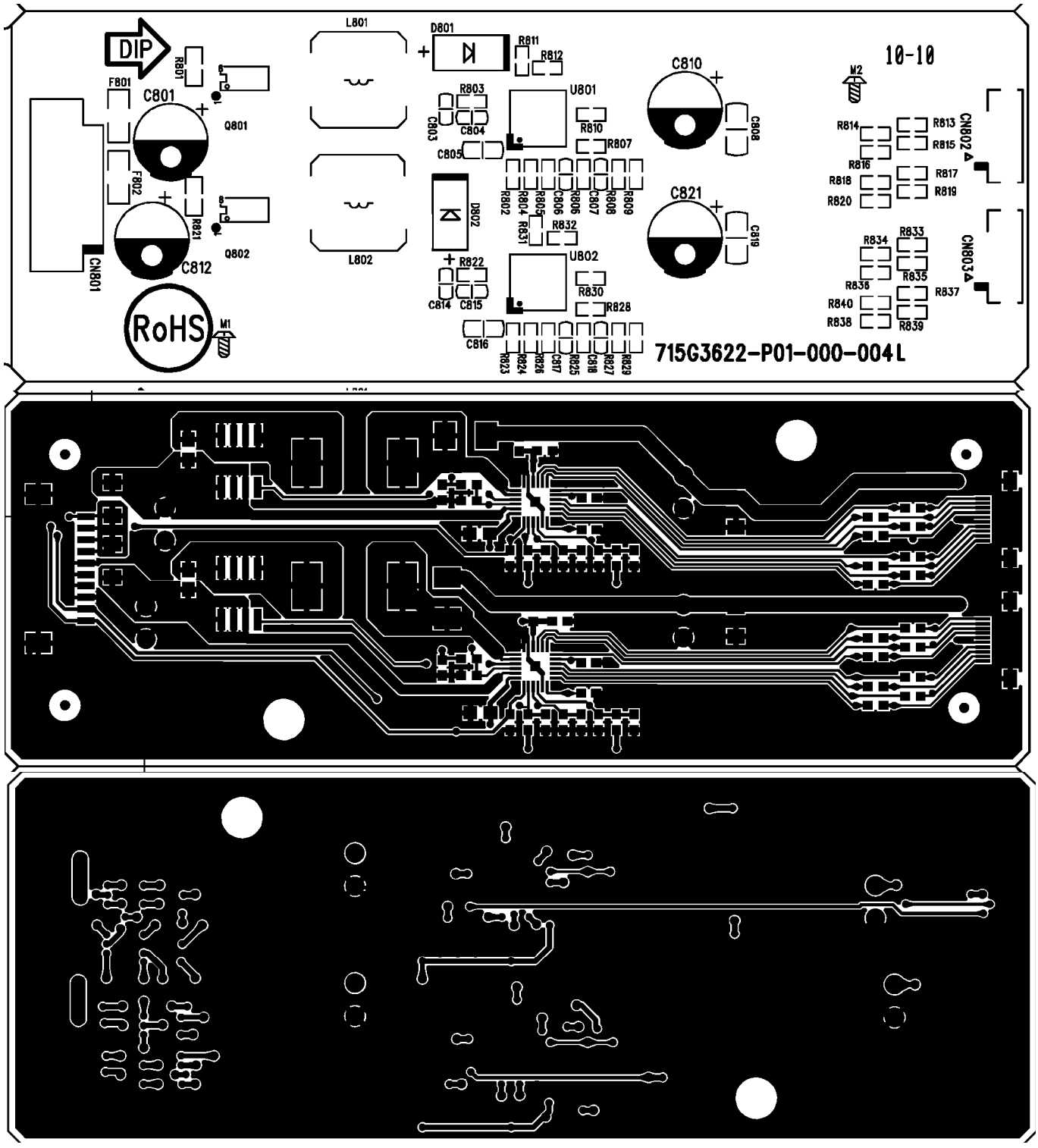




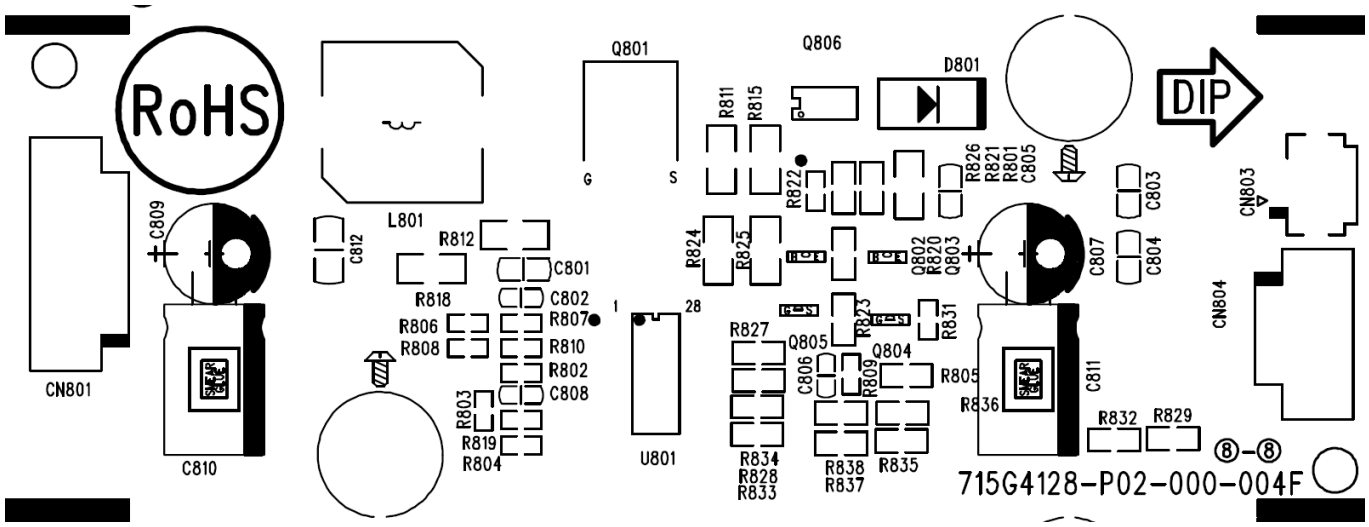
7.2 Power Board
715G3980P02000003S

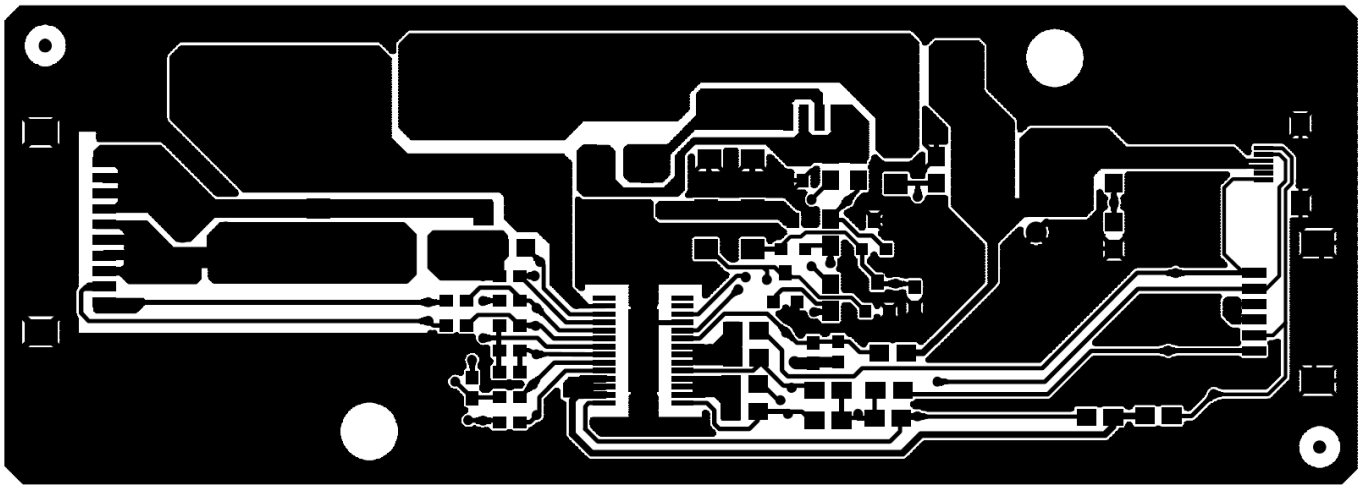


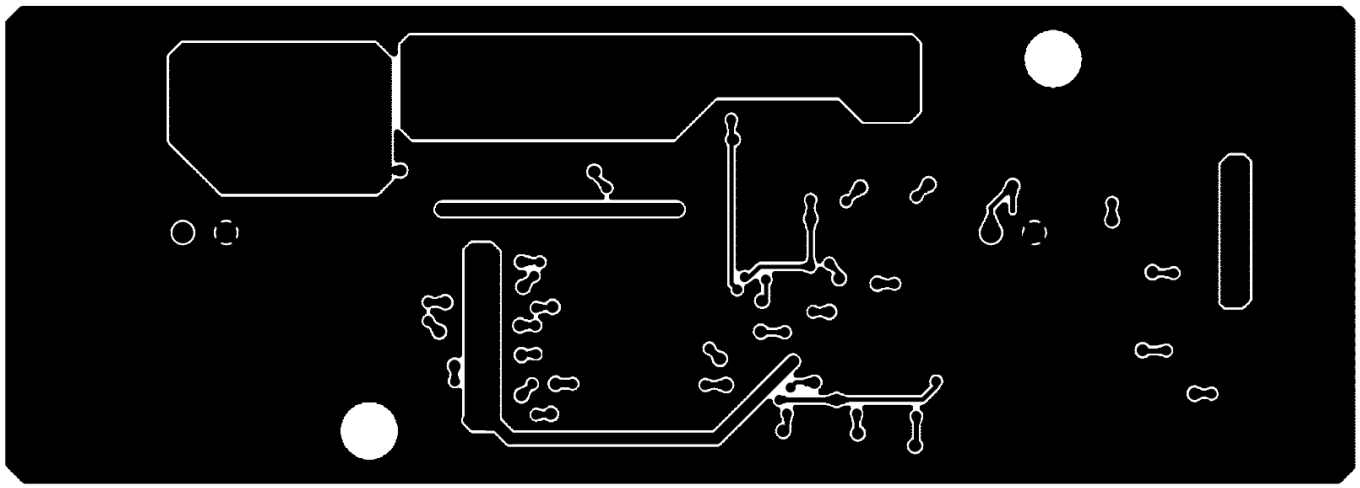
715G3622P01000004L



715G4128P02000004F

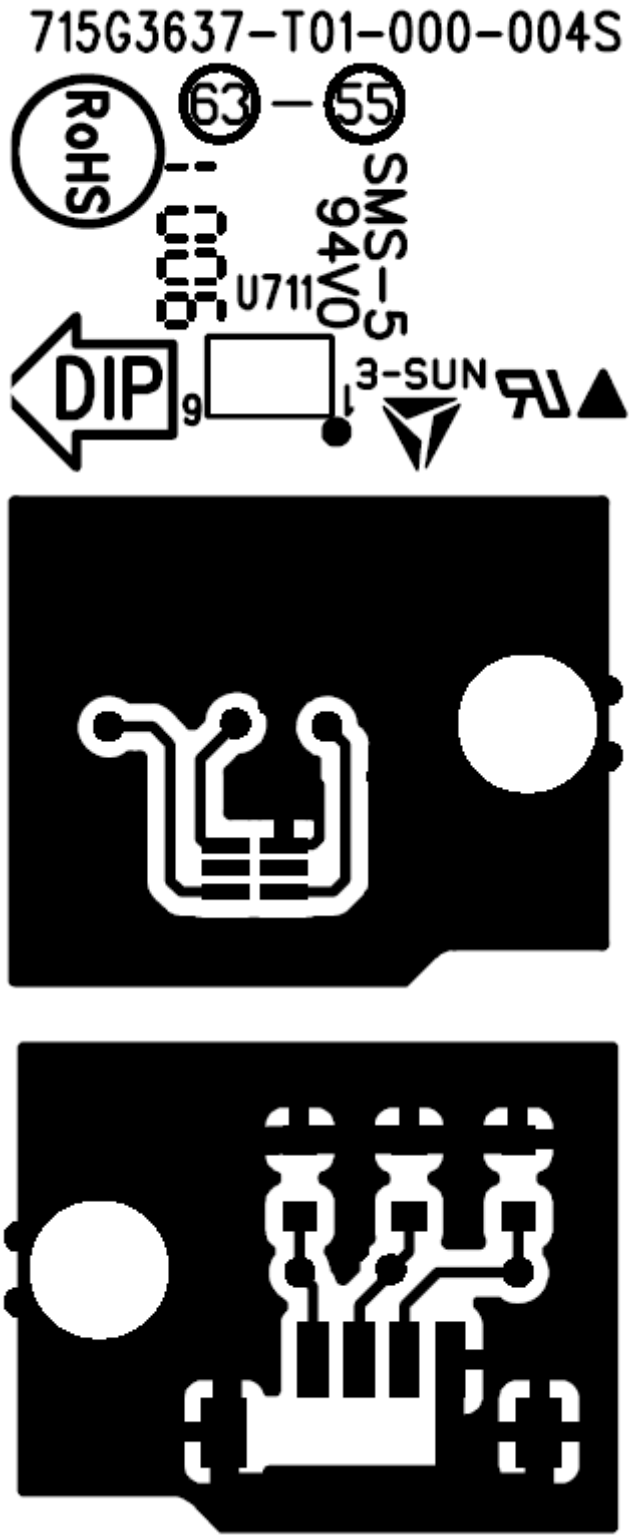






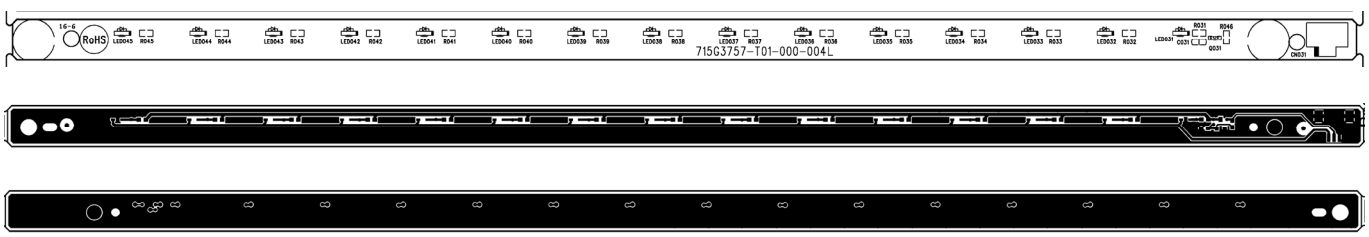
7.3 Light Sensor Board

715G3637T01000004S

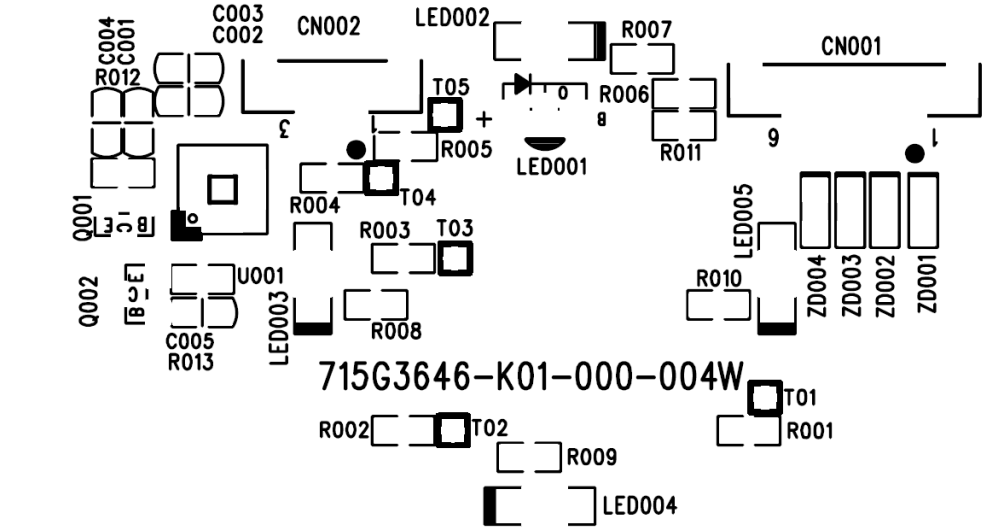


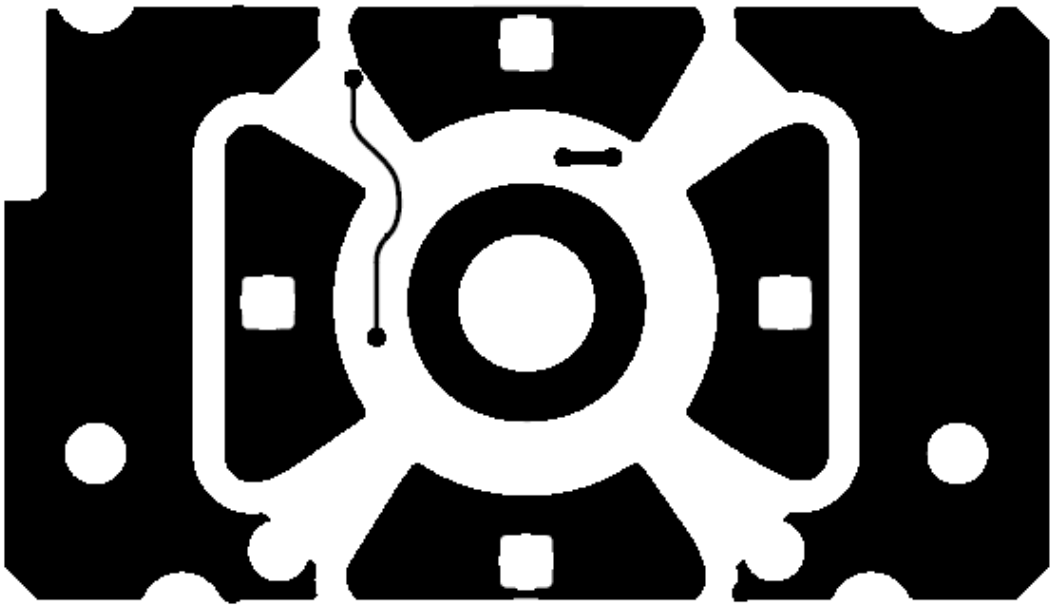
7.4 LED Board

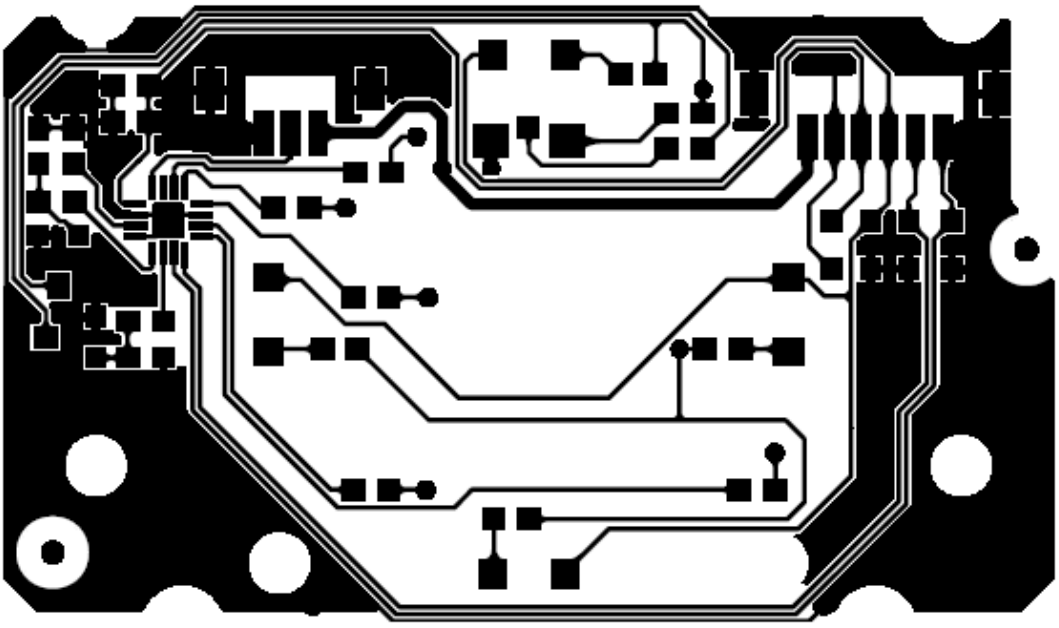
715G3757T01000004L



7.5 Key Board
715G3646K01000004W







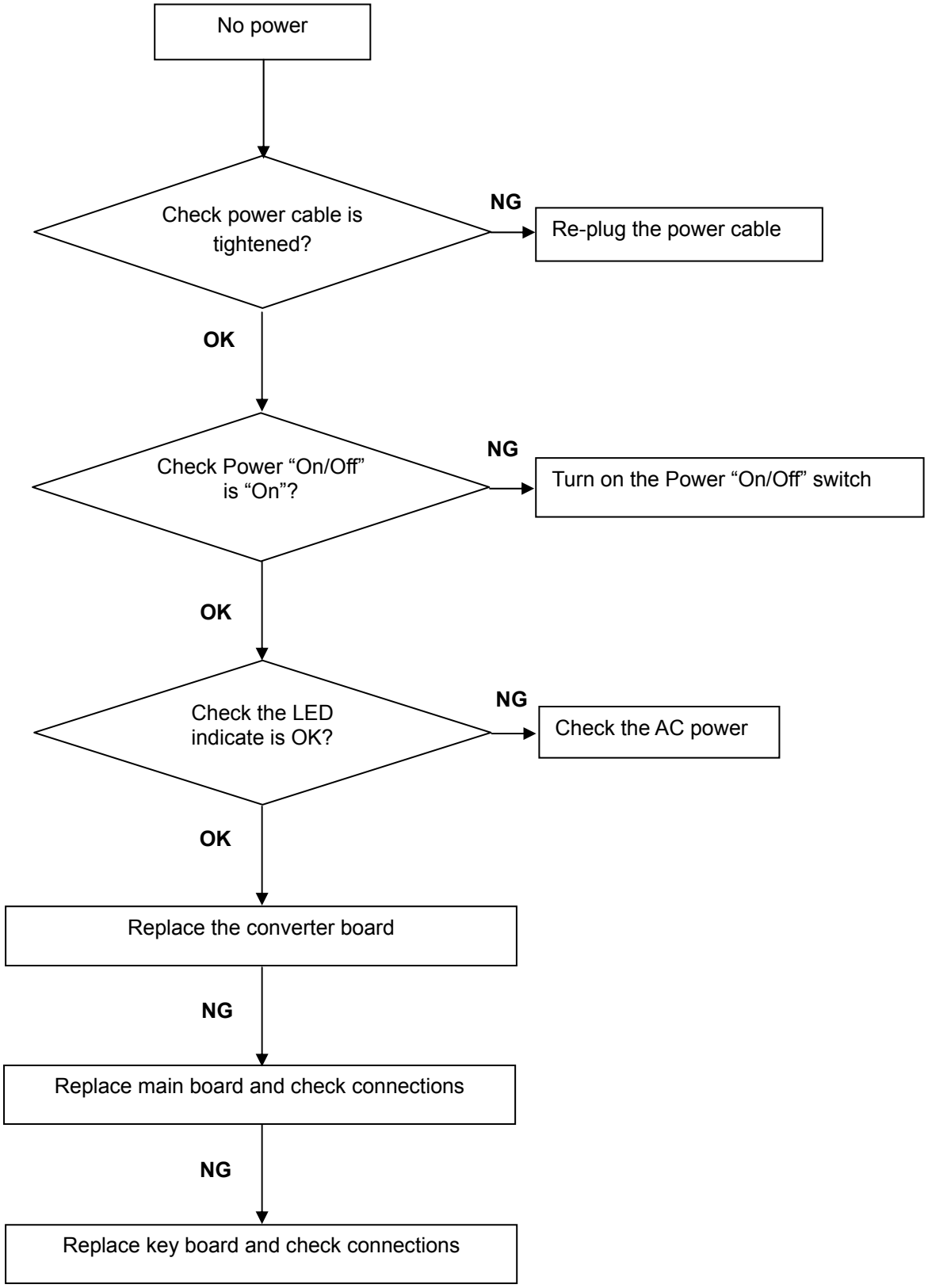
8. Maintainability

8.1 Equipments and Tools Requirement

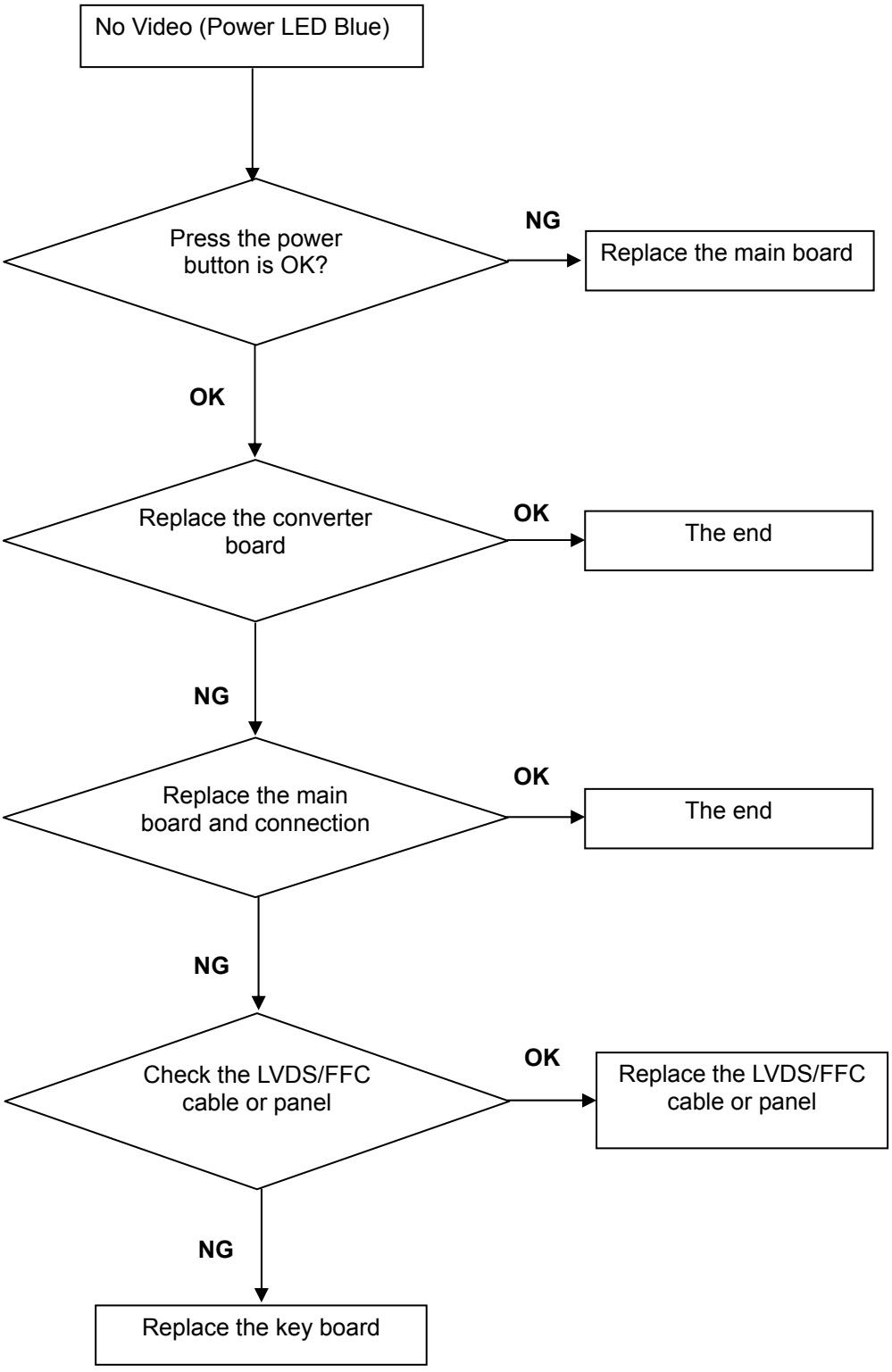
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

8.2 Trouble Shooting

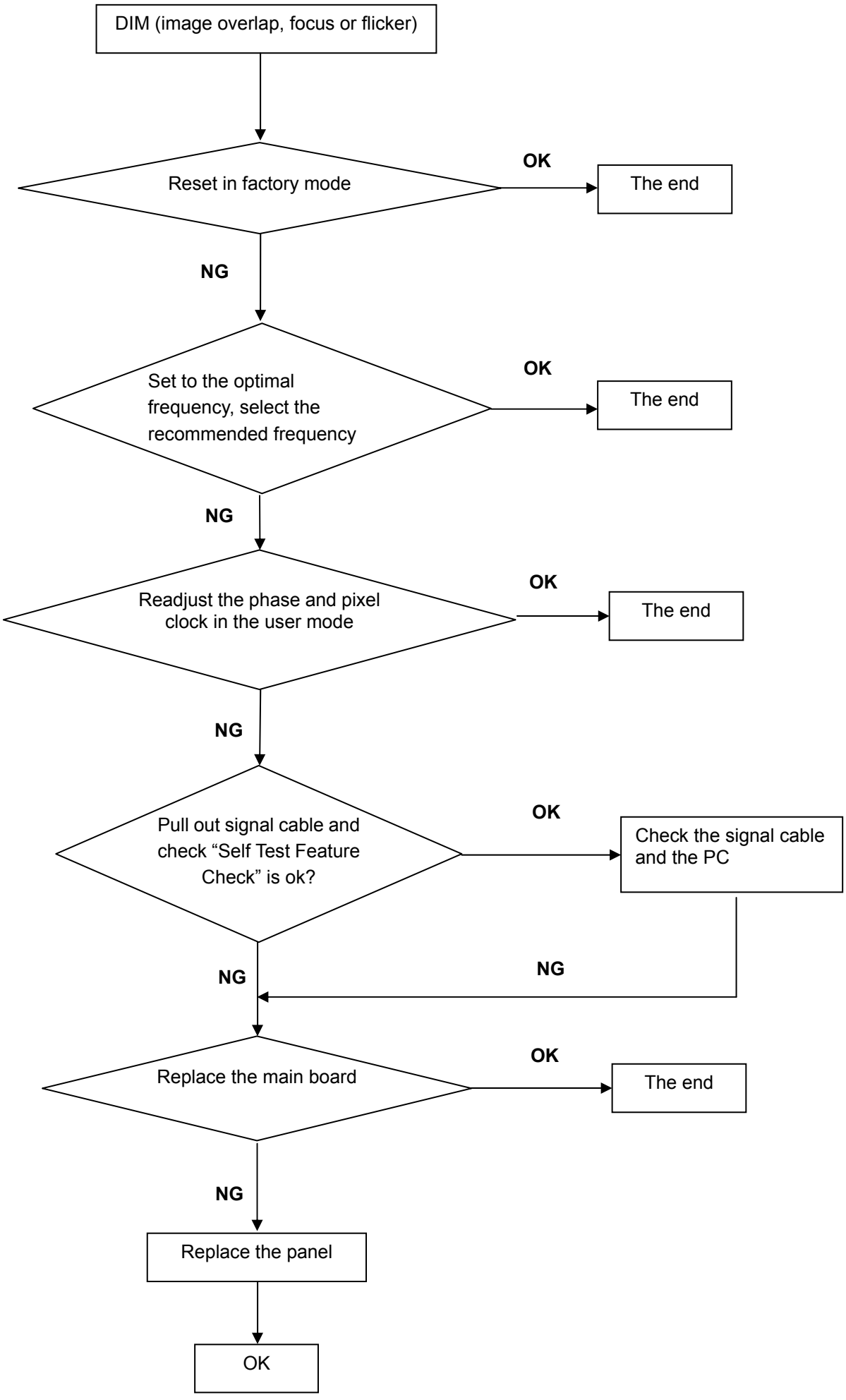
1. No Power



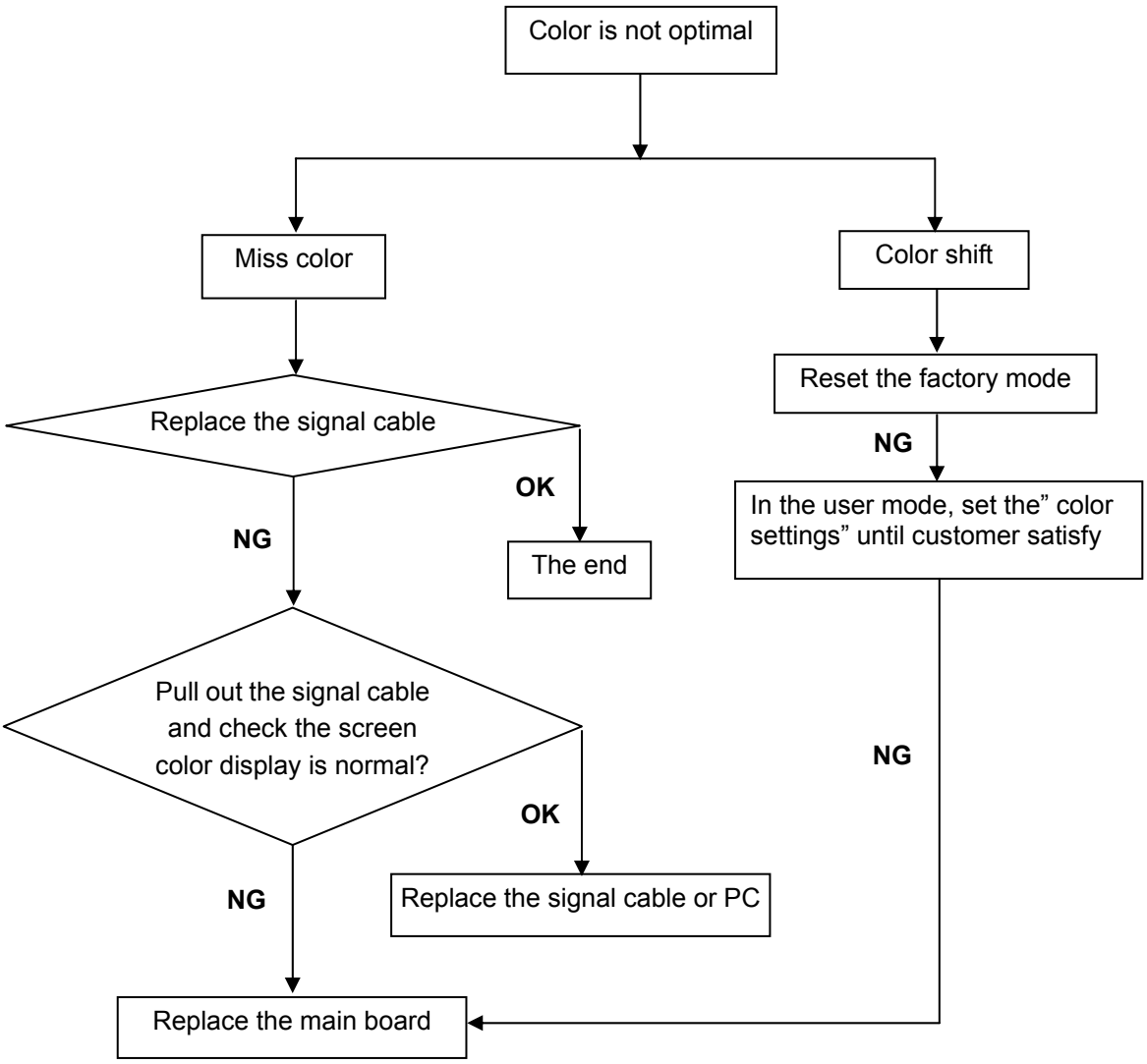
2. No Video (Power LED Blue)



3. DIM


DIM (image overlap, focus or flicker)
Reset in factory mode
OK
The end
NG
Set to the optimal frequency, select the recommended frequency
OK
The end
NG
Readjust the phase and pixel clock in the user mode
OK
The end
NG
Pull out signal cable and check “Self Test Feature Check” is ok?
OK
Check the signal cable and the PC
NG
NG
Replace the main board
OK
The end
NG
Replace the panel
OK

4. Color is not optimal



9. Firmware and DDC Instruction

9.1 Firmware Instruction

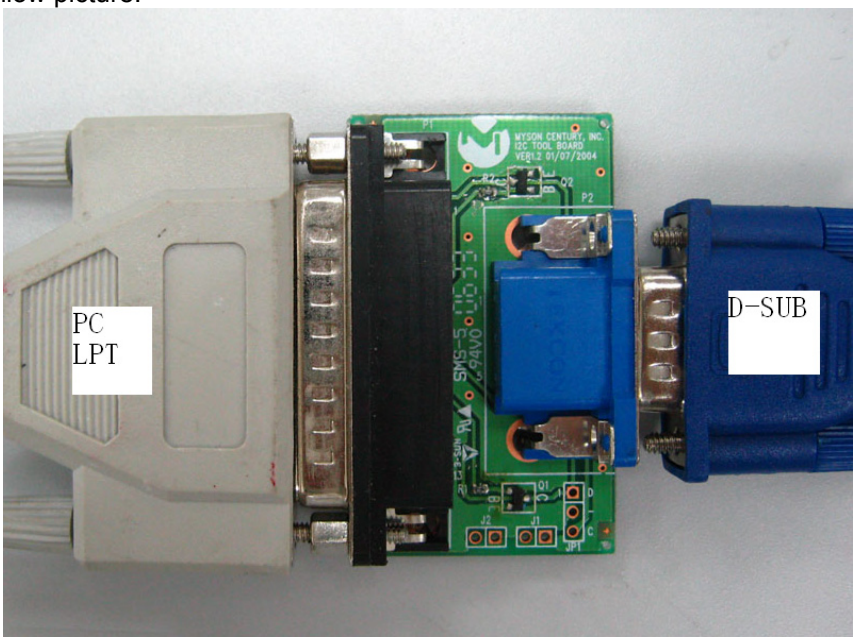
Take “TSUMU88MWDT3-AUOM215HW01V6-100608-V009-6E29.bin” for example. Different model only program and FLASH IC are different, other operation steps are same. Please notice when load software or change Flash IC.

Step 1:
Operation conditions:

1) An i486 (or above) personal computer or compatible.
2) Microsoft operation system Windows 95/98/2000/XP.
3) “ISPTool_4.5.0.7.7” programs
4) VGA cable & LPT cable
5) ISP board (PN:715GT039-A)
6) ISP Firmware/Software

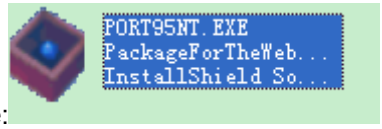
Step 2: Connection

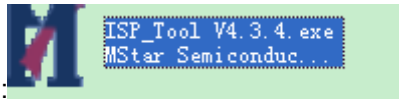
1.Connect LPT Cable one end to PC, the other end to ISP Board.
2.Connect signal cable of the monitor to the ISP Board.
3.ISP Board as the follow picture.



ISP Board (TPV P/N: 715GT039-A)

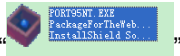
Step 3:
Tool list as follow:

1. LPT driver software: 

2. Mstar ISP TOOL: 

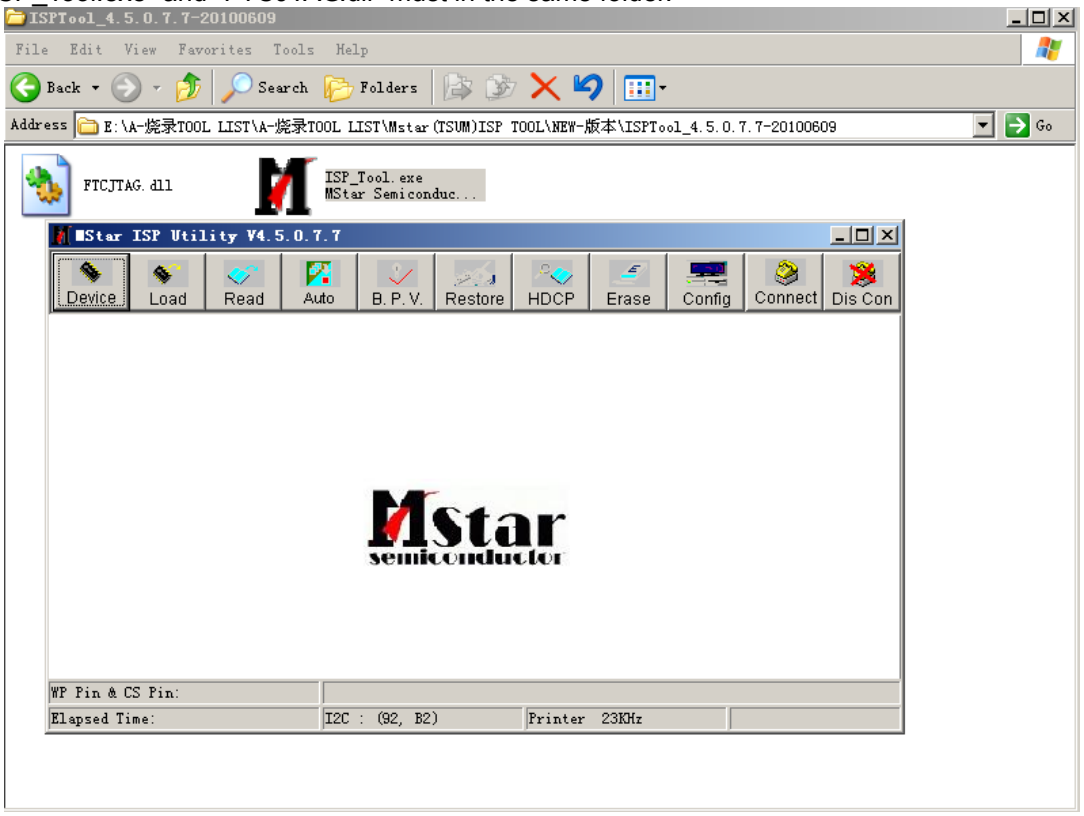
Software: TakeTSUMU88MWDT3-AUOM215HW01V6-100608-V009-6E29.bin for example.

Step 4:
Install software:

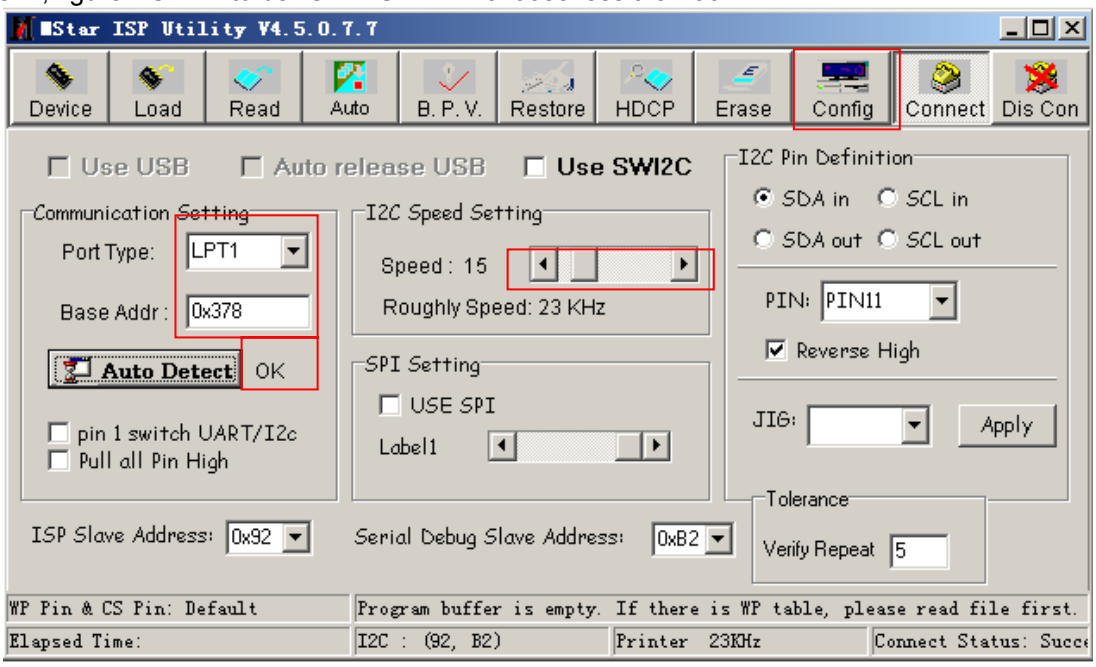
Double-click the icon “  ” to install Port95nt print driver, and then restart the computer.

Step 5: Burning

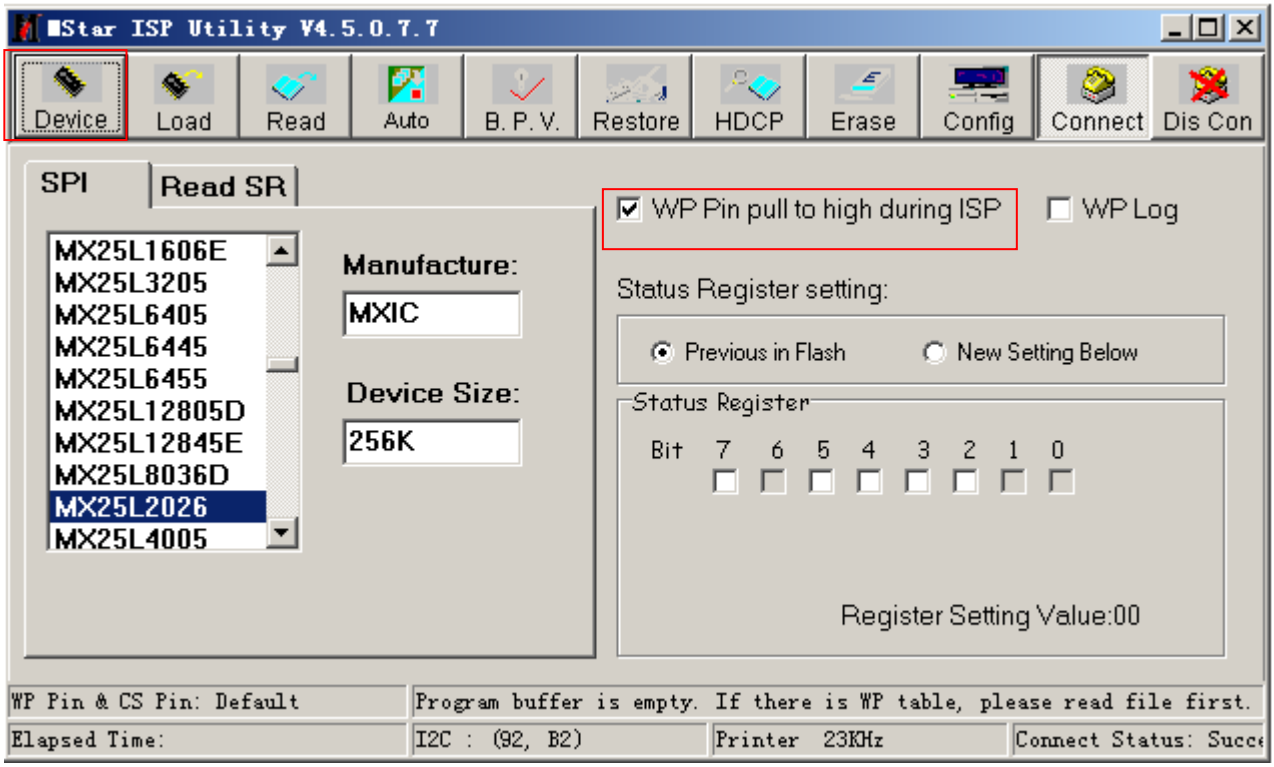
1. Open “MSTAR ISP Tool V4.5.0.7.7” to burn software.
   Note: “ISP_Tool.exe” and “FTCJTAG.dll” must in the same folder.



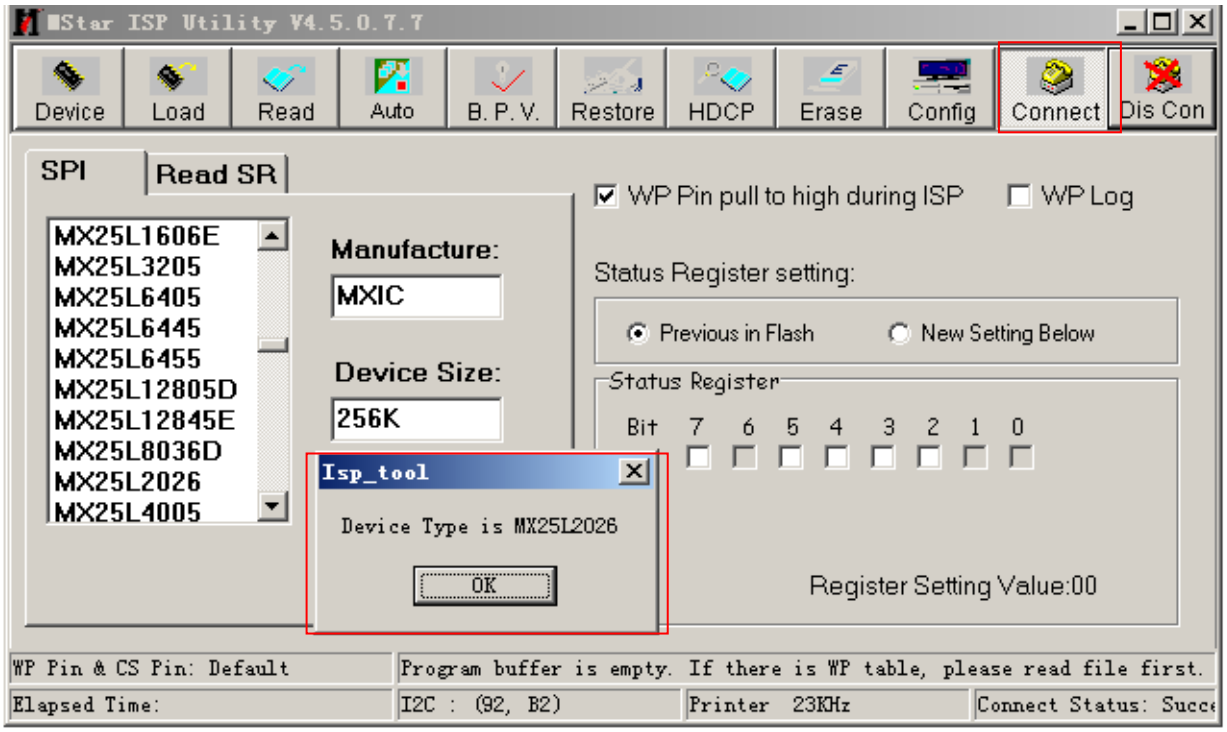
2. Click “Config” scheme as follow picture, “Port Type” choose “LPT1”, other as follow picture:Click “Auto detect”, show “OK”, figure PC LPT to be “OK”. “SPEED” choose less than 50Khz.



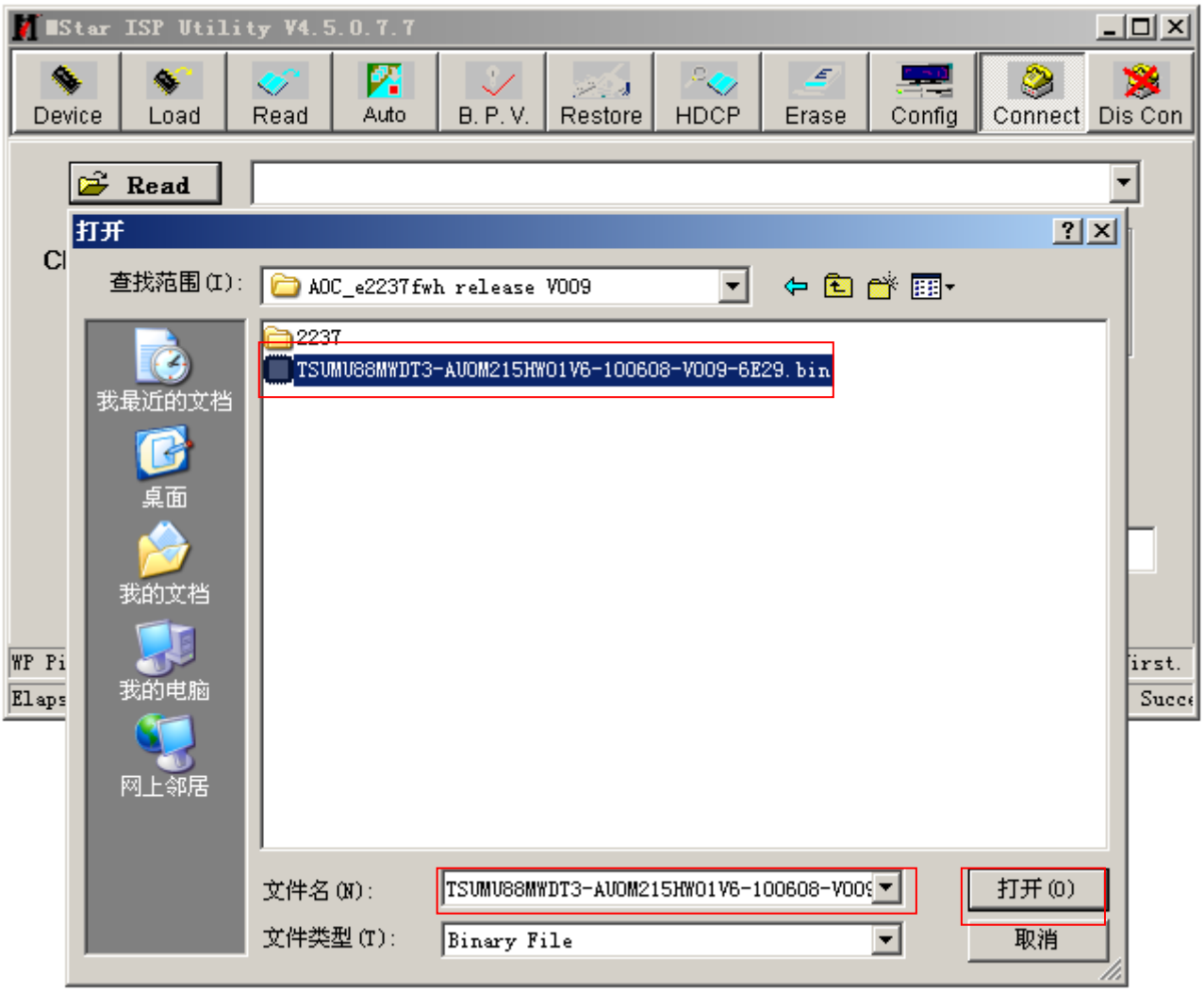
3. Choose “DEVICE”, do tick in front of “WP Pin pull to high during ISP”, scheme as follow picture.



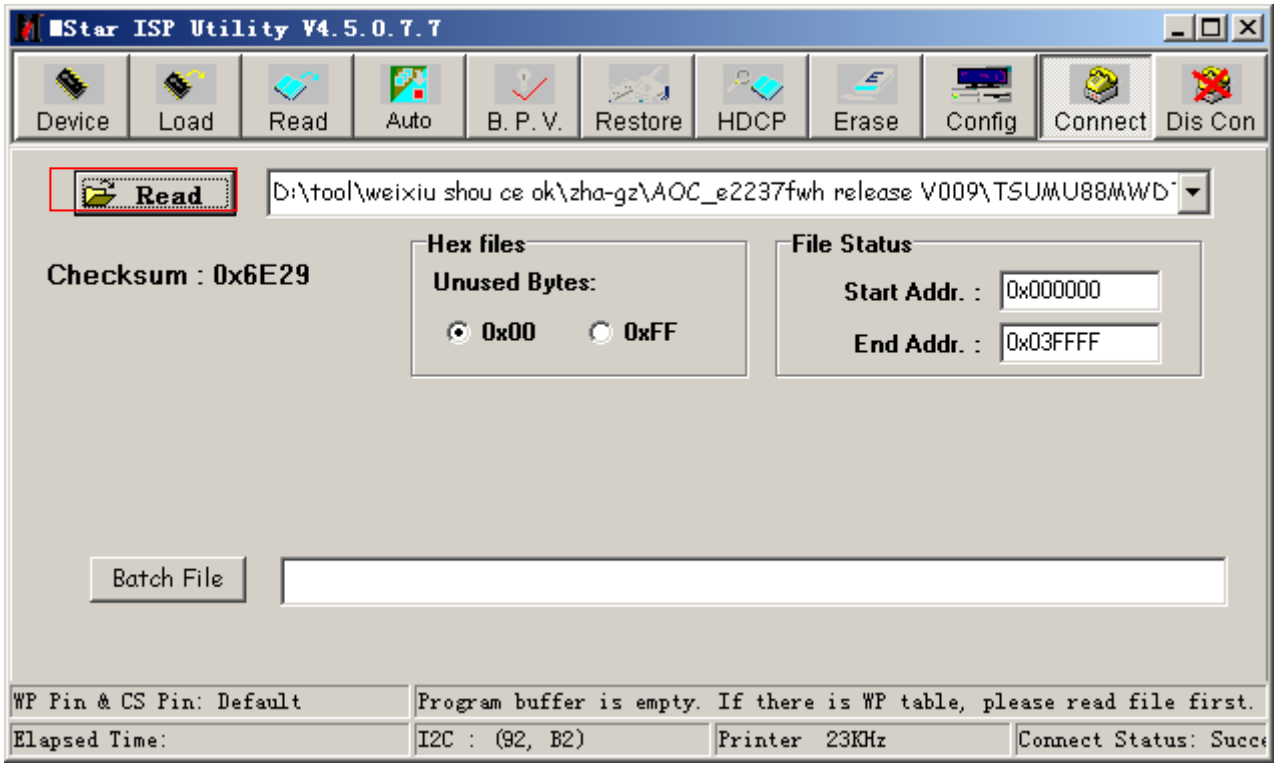
4. Click “Connect” and show Dialog as follow picture, That TOOL, PC and monitor communications successful, click “OK”.



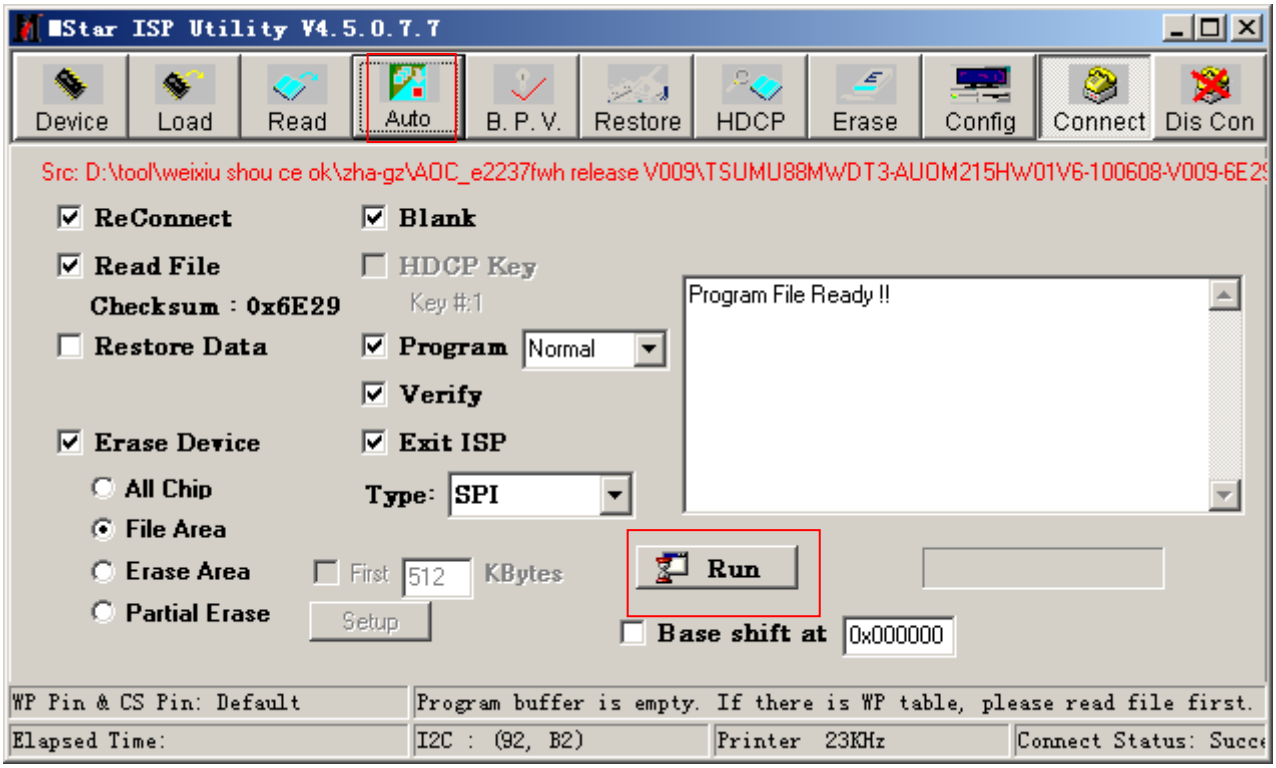
5. Click “Read”, show as follow picture, and then choose correct software to click “open”.



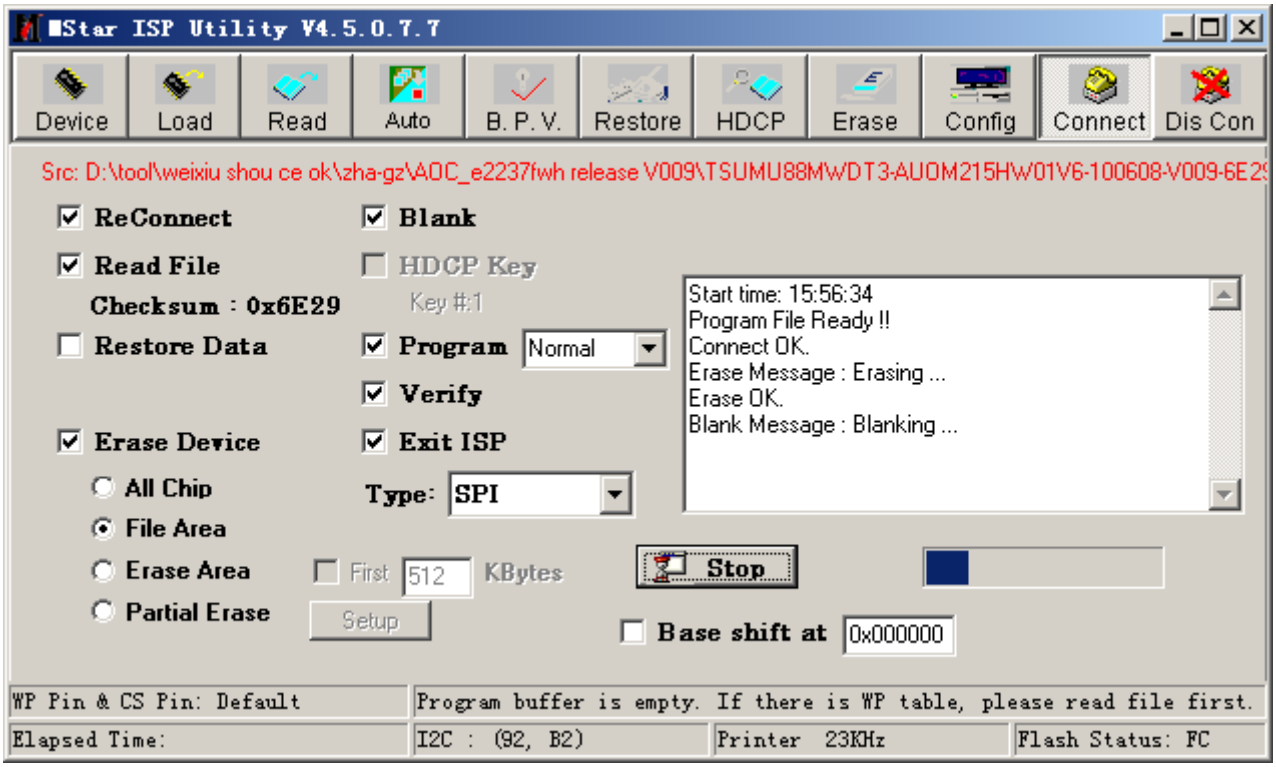
6. After click “open”, show as follow picture.

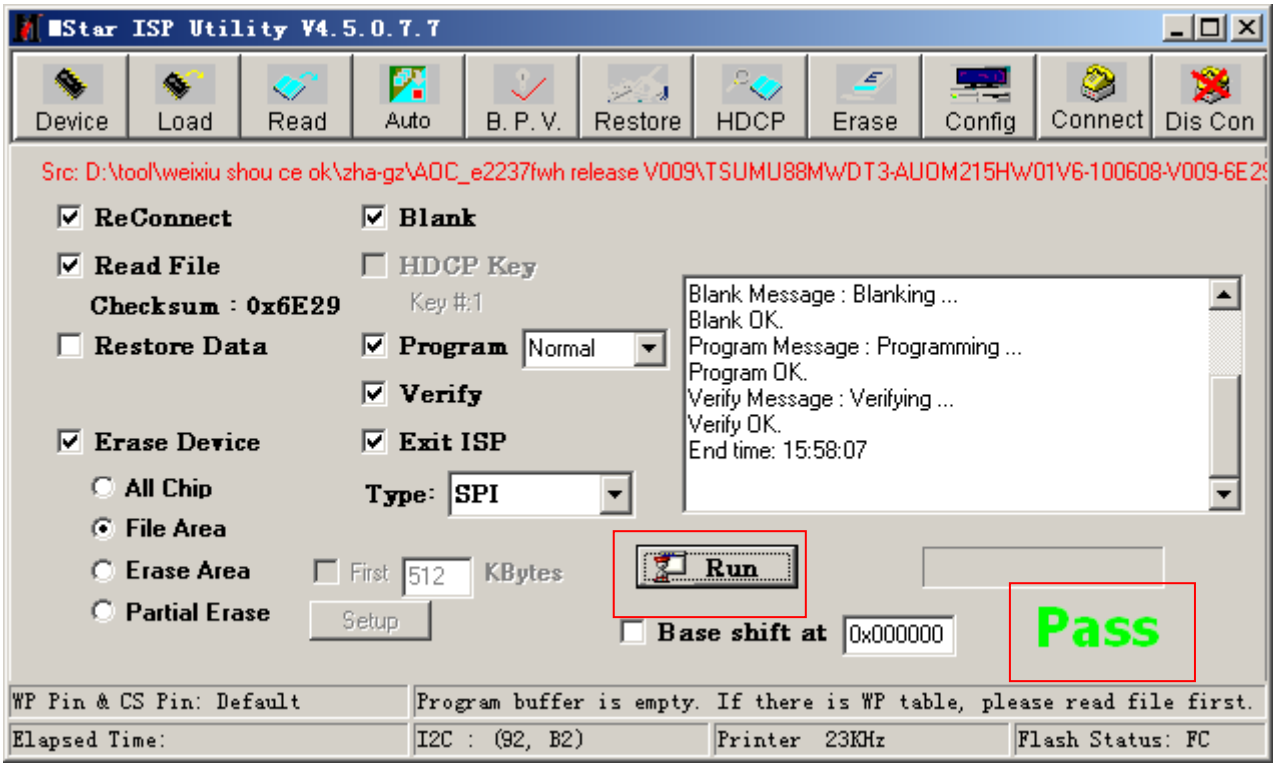


7. Click “Auto”, show as follow picture. And then click “Run”.



8. While appear “Blank OK, Program OK, Verify OK” and show “Pass” that burning is successful.Show as follow pictures.





9. AC OFF, wait for about one minute, after the electricity inside large capacitor of power board release, and then “AC ON”, otherwise, the key button will be no effect or can’t “DC ON”.

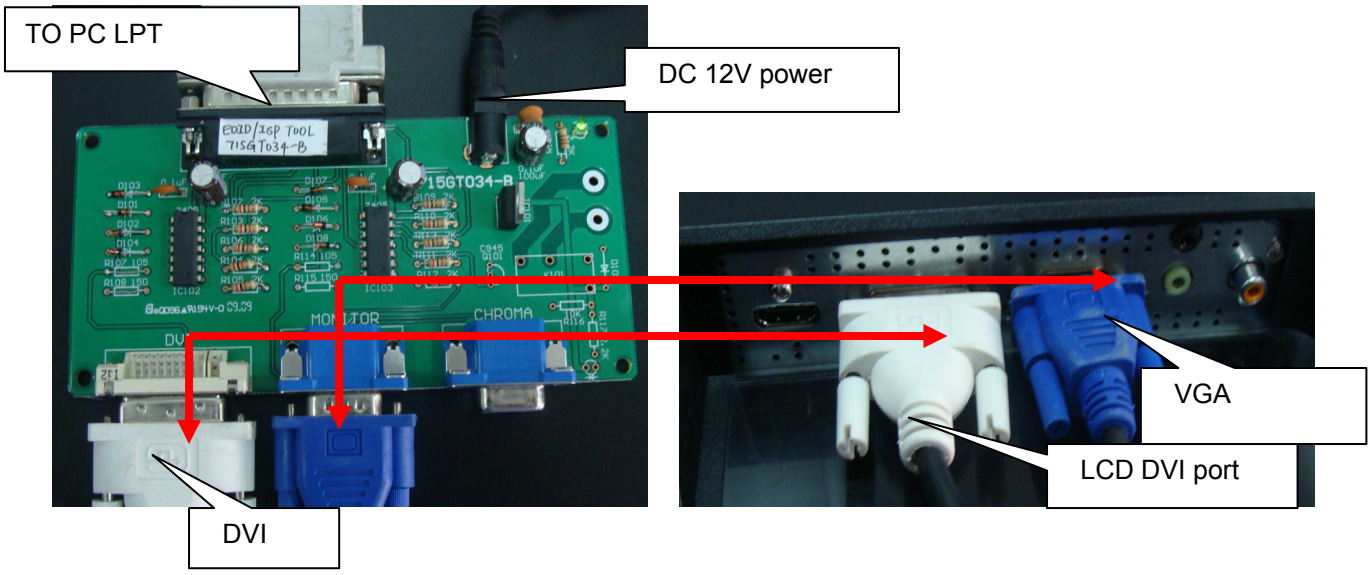
Step6: Check Software Version, then auto color and reset.

9.2 DDC Instruction

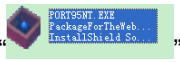
Tool list:

1. DDC board:715GT034-B
2. Software (WA.DAT&WD.DAT&*. CONFIG.INI)
3. LPT driver software
4. LPT cable, D-SUB CABLE ,DVI CABLE and DVI to HDMI CABLE
5. 12V(Adapter)
6. TPVDDCHDMI and TPVDDC6.0
7. PC

For VGA&DVI BURNING: DDC Board as the follow picture:

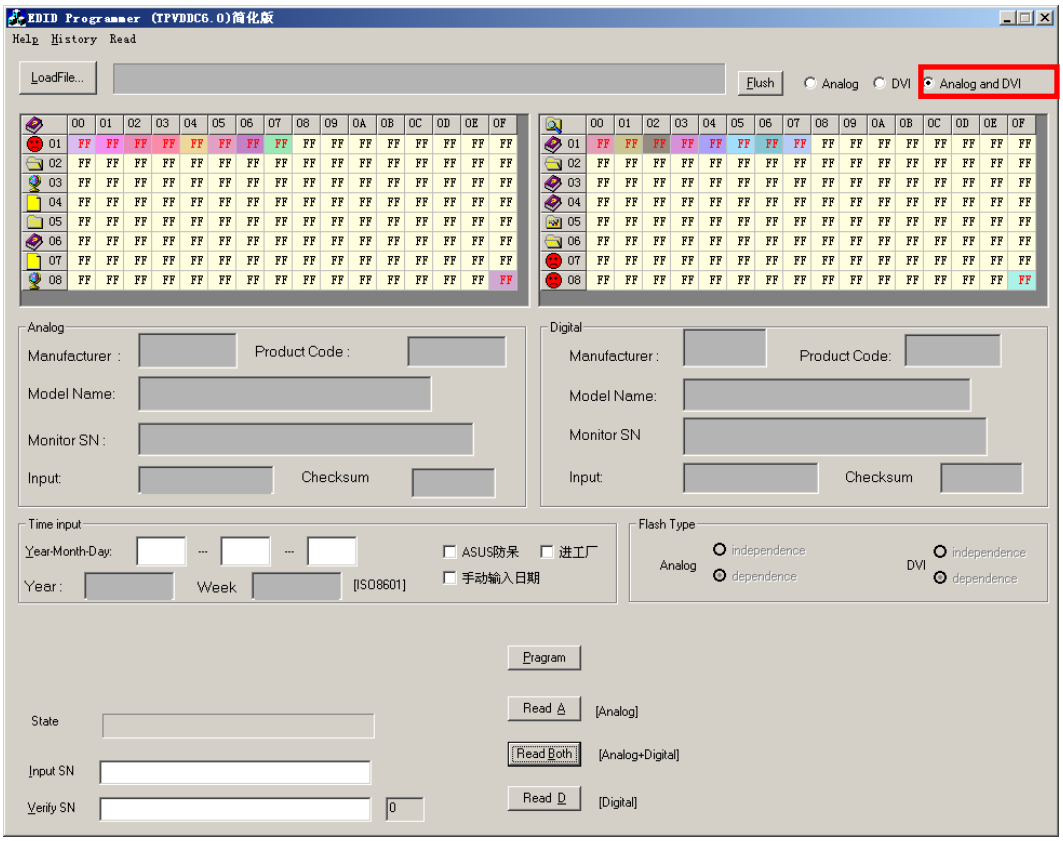


Install software:

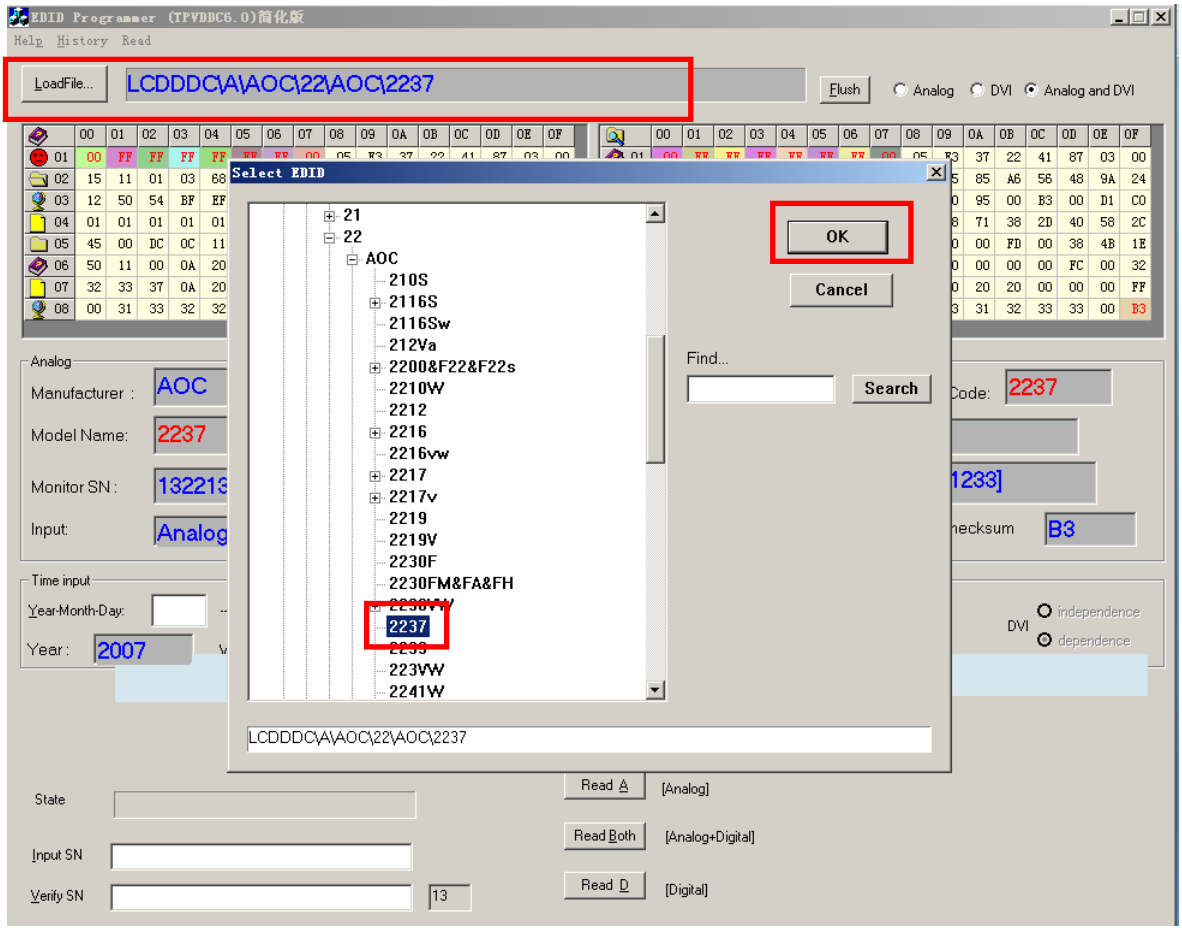
Double-click the icon “  ” to install Port95nt print driver, and then restart the computer.

VGA&DVI Burning:

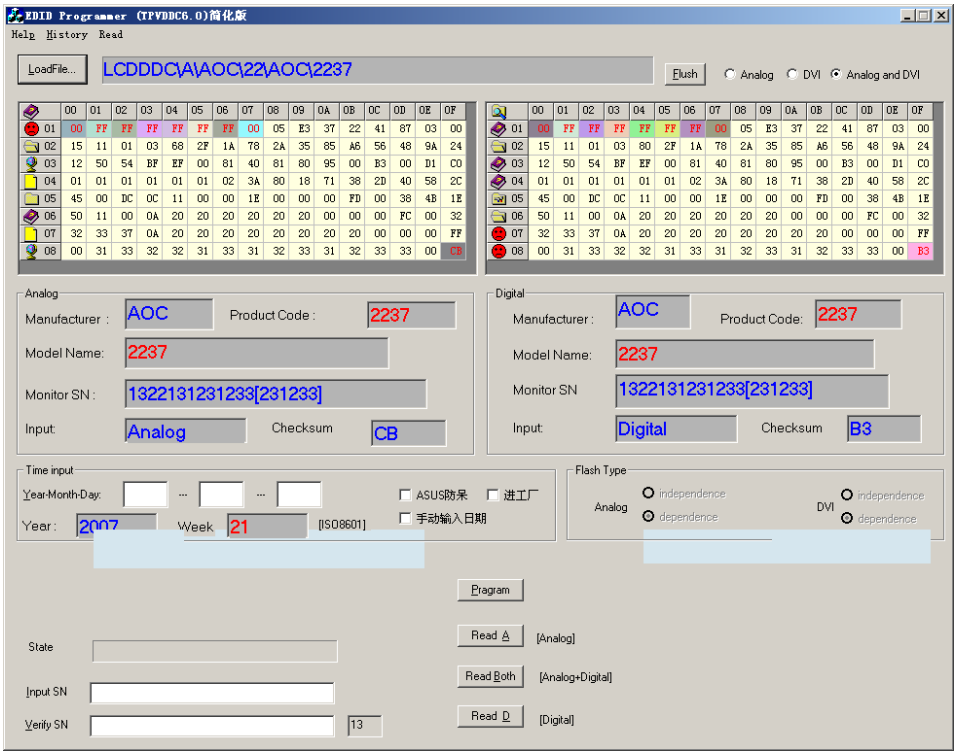
1. Open EDID folder, double-click “ TPVDDC6.0(简版).exe ”, select “Analog and DVI” show as follow picture.



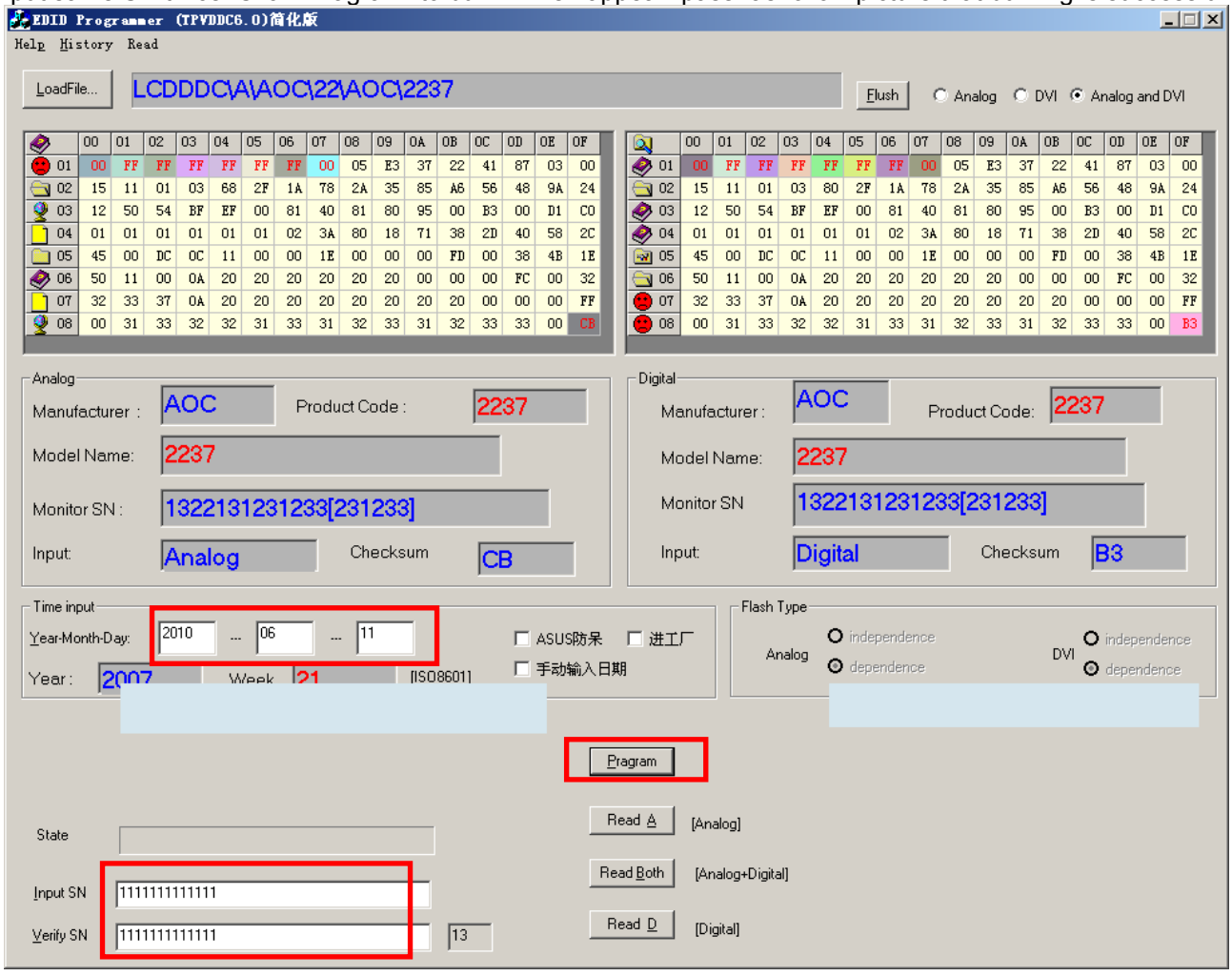
2. Click “Load file” and select as follow picture.

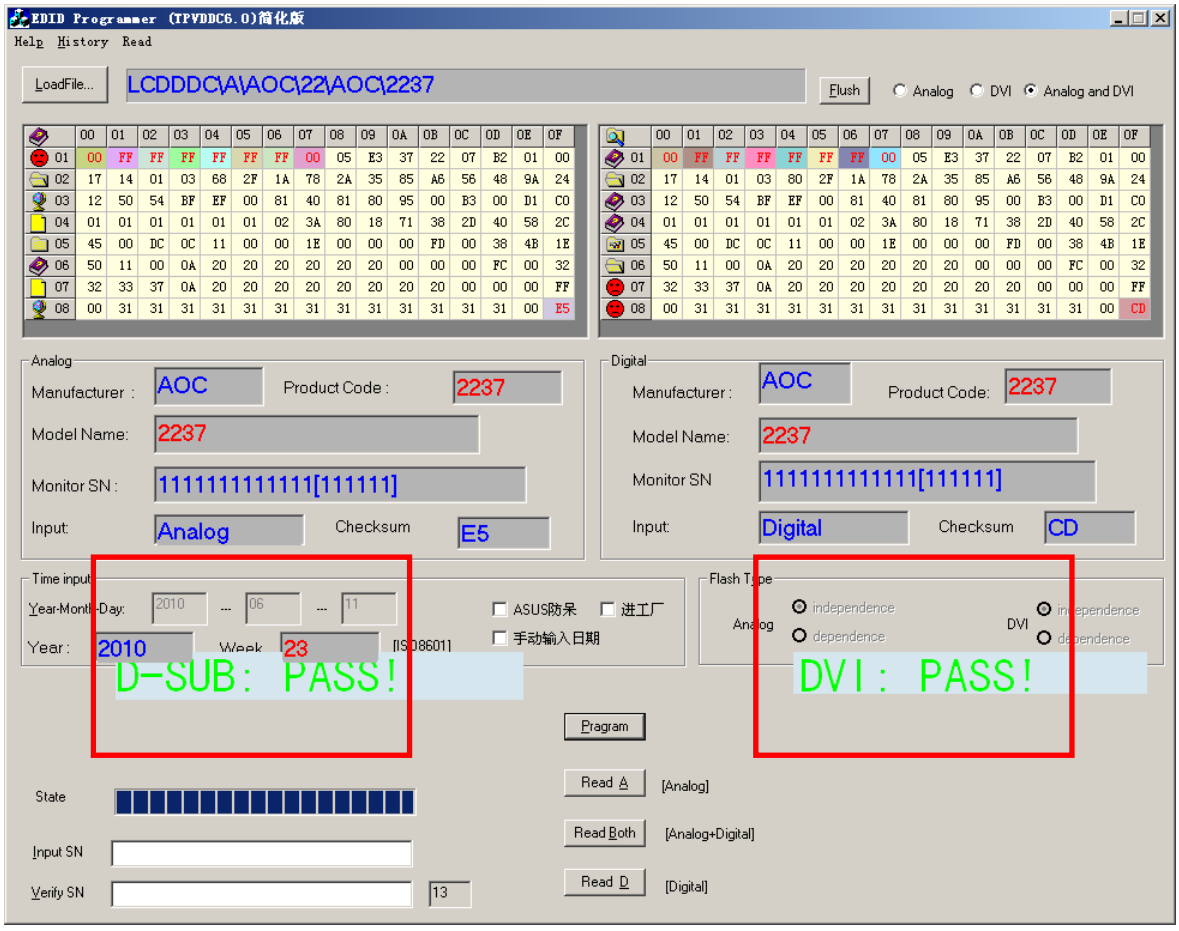


3. Click “ok” show as follow picture.

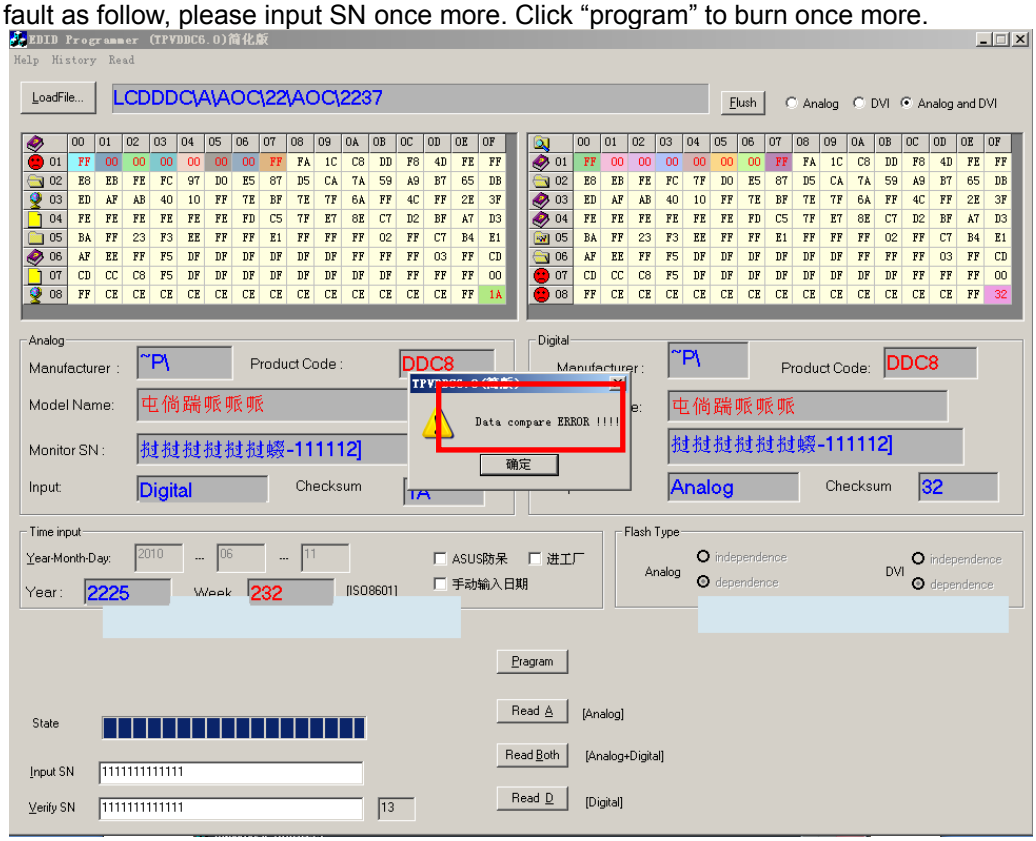


4.Input same SN twice. Click “Pragram” to burn. When appear “pass” as follow picture that burning is successful.

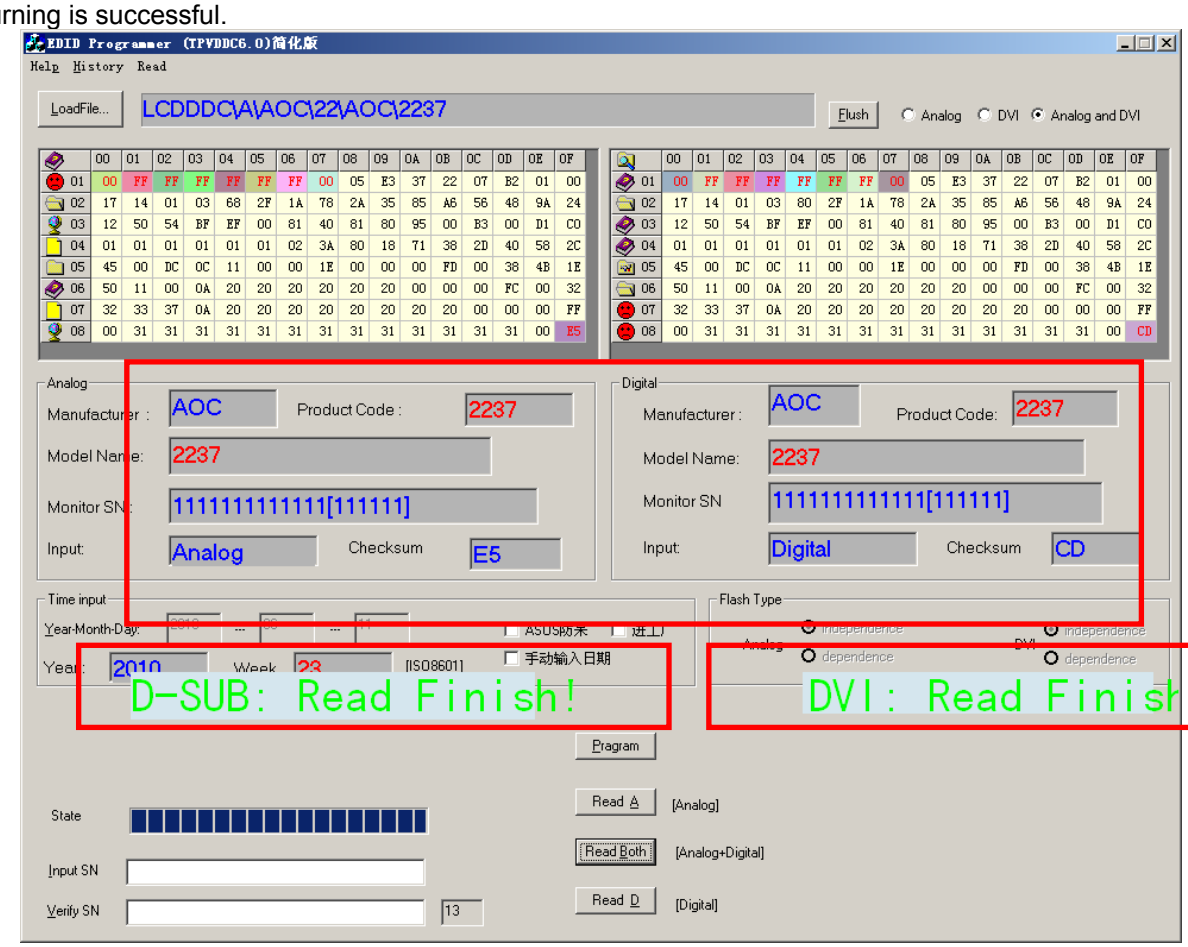




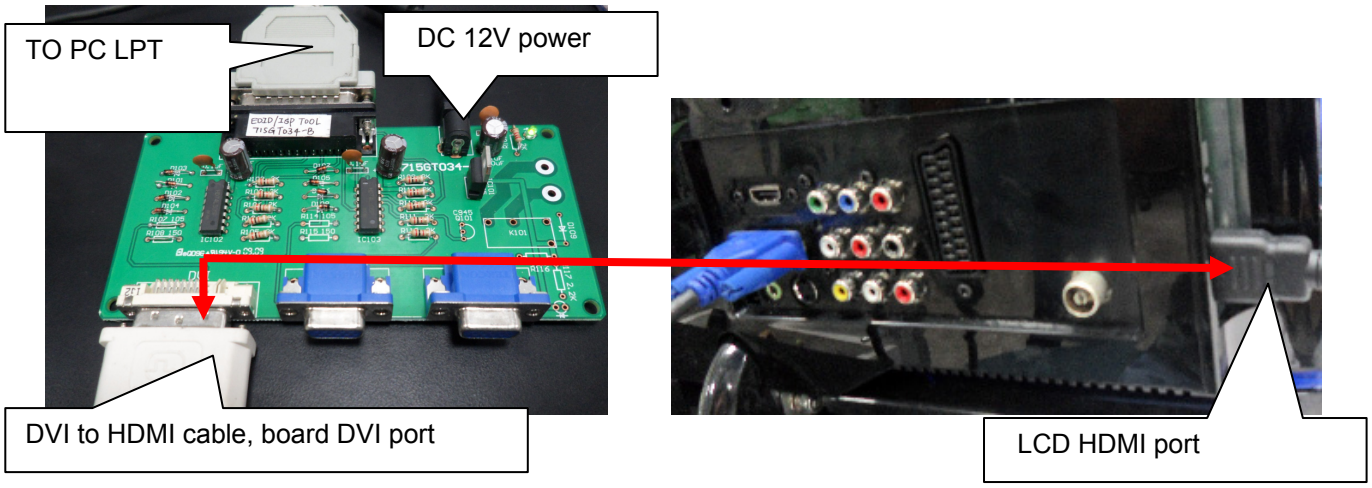
Note: Appear fault as follow, please input SN once more. Click “program” to burn once more.



5.Click “READ” show as follow picuture.If read SN is same as before inputing and model name is same as before that burning is successful.



For HDMI BURNING: DDC Board as the follow picture:

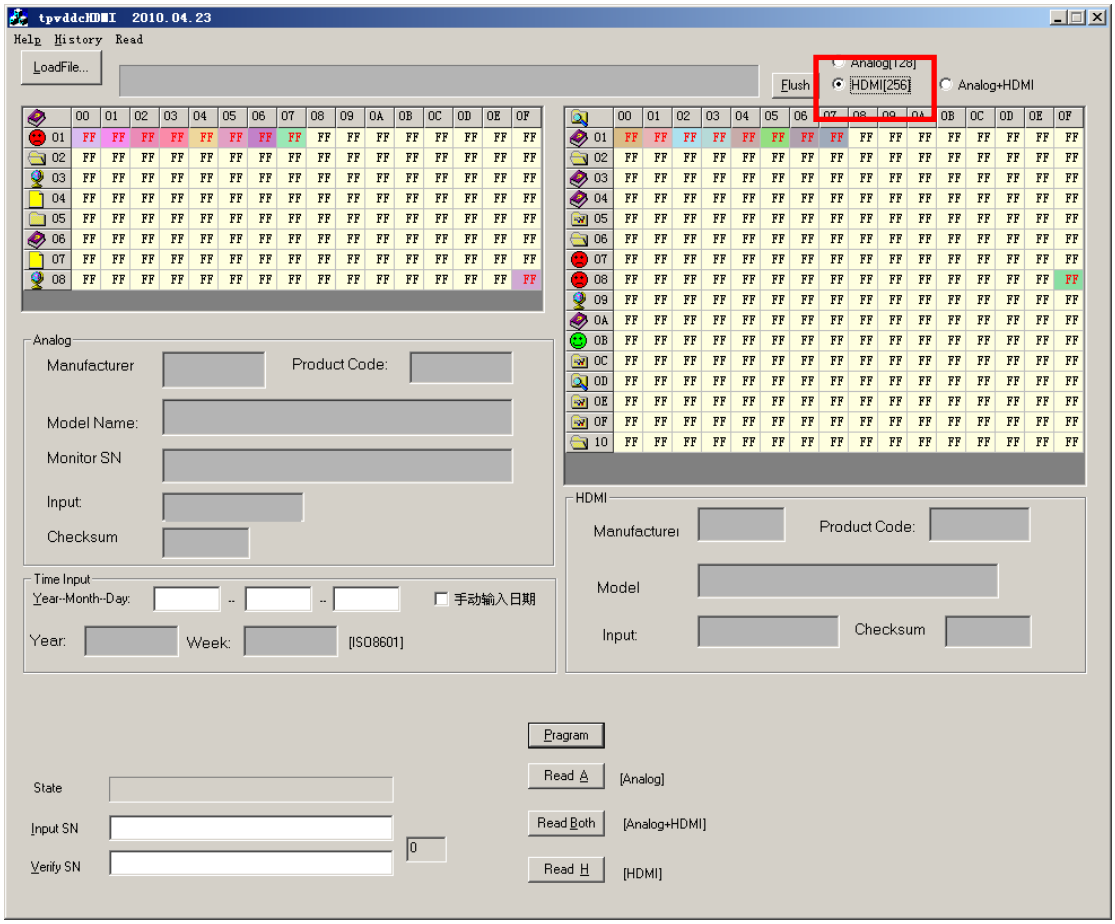


TOOL P/N: 715GT034-B

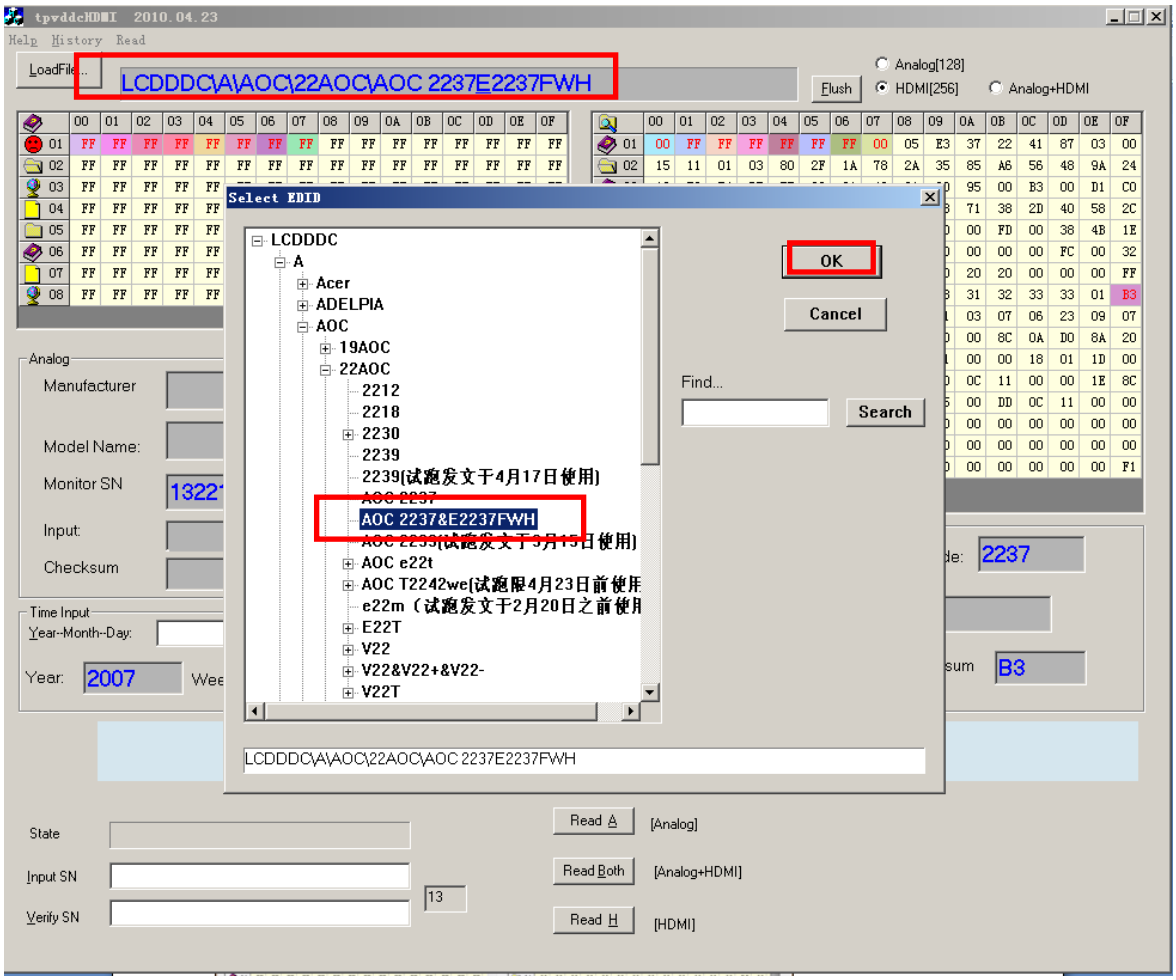
HDMI BURNING:

1.Open EDID folder, double-click “

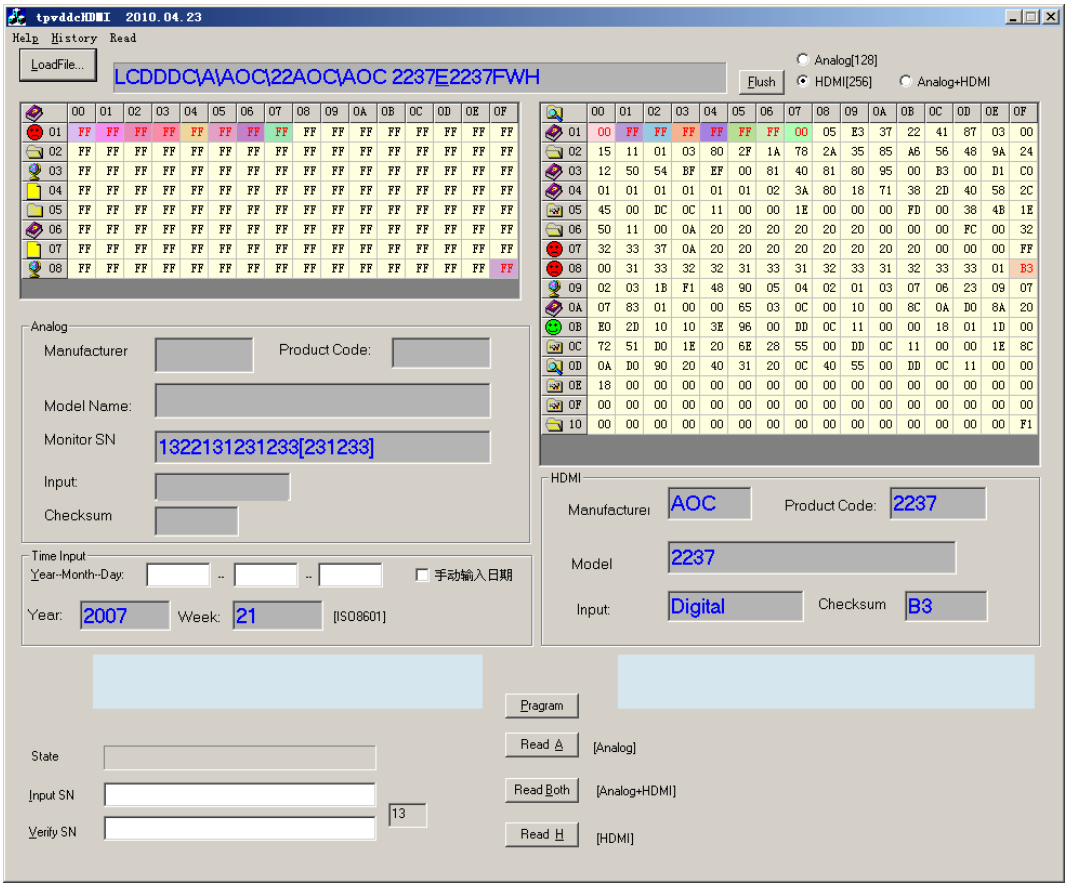
”.Select “HDMI” show as follow picture.



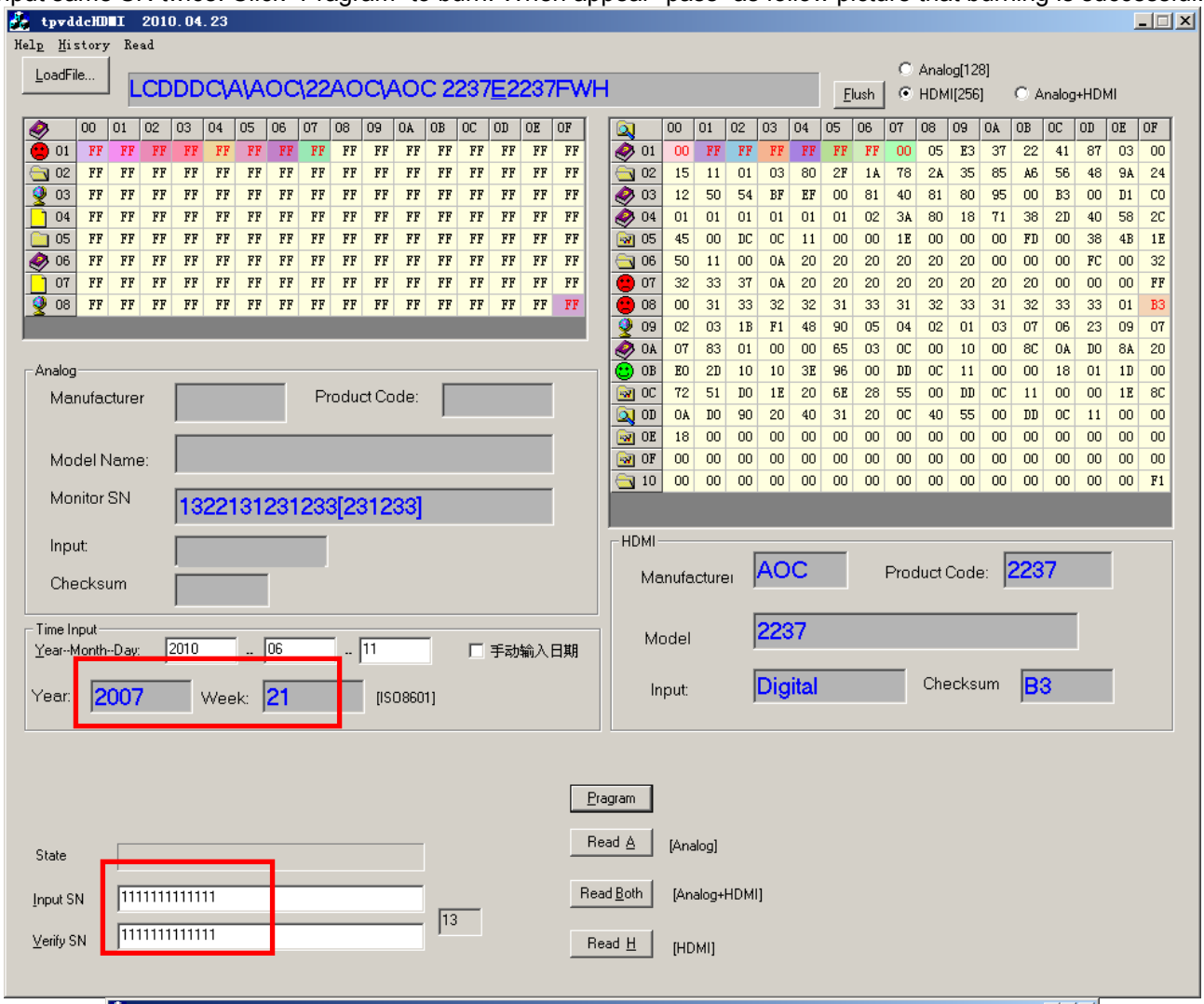
2. Click “Load file” and select as follow picture.

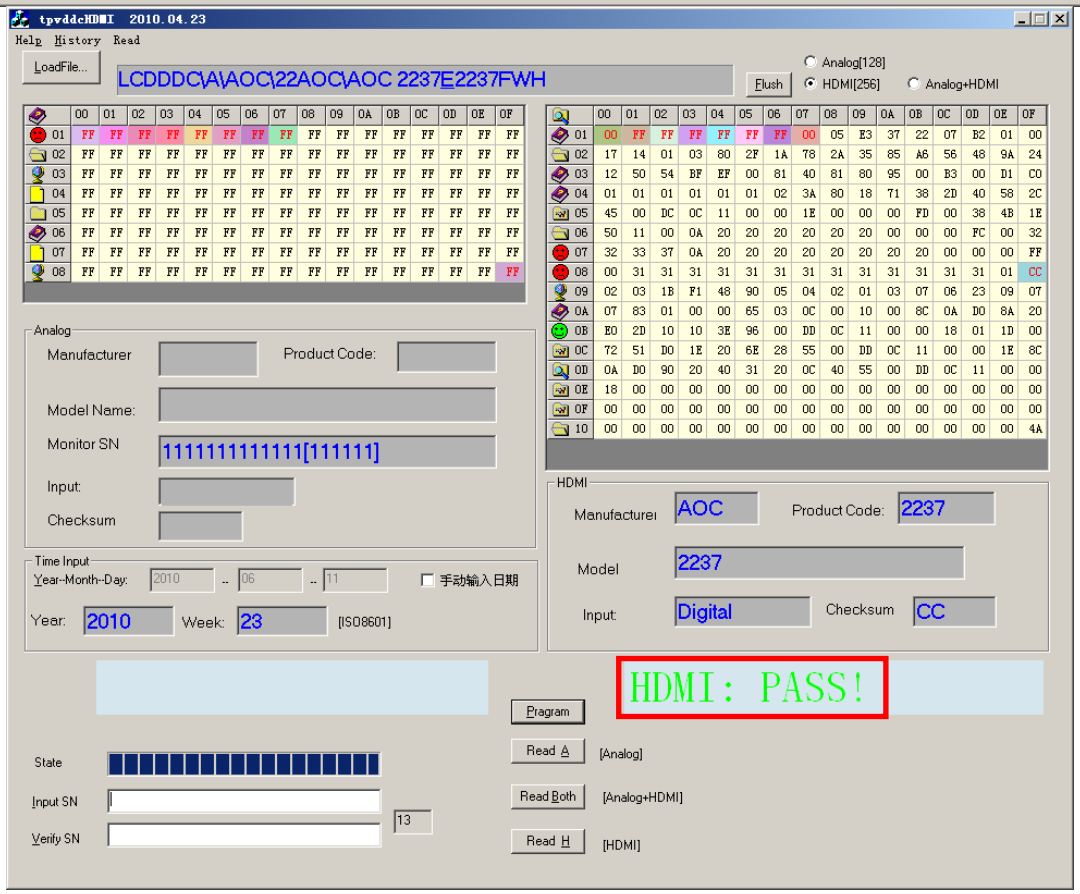


3. Click “ok” show as follow picture.

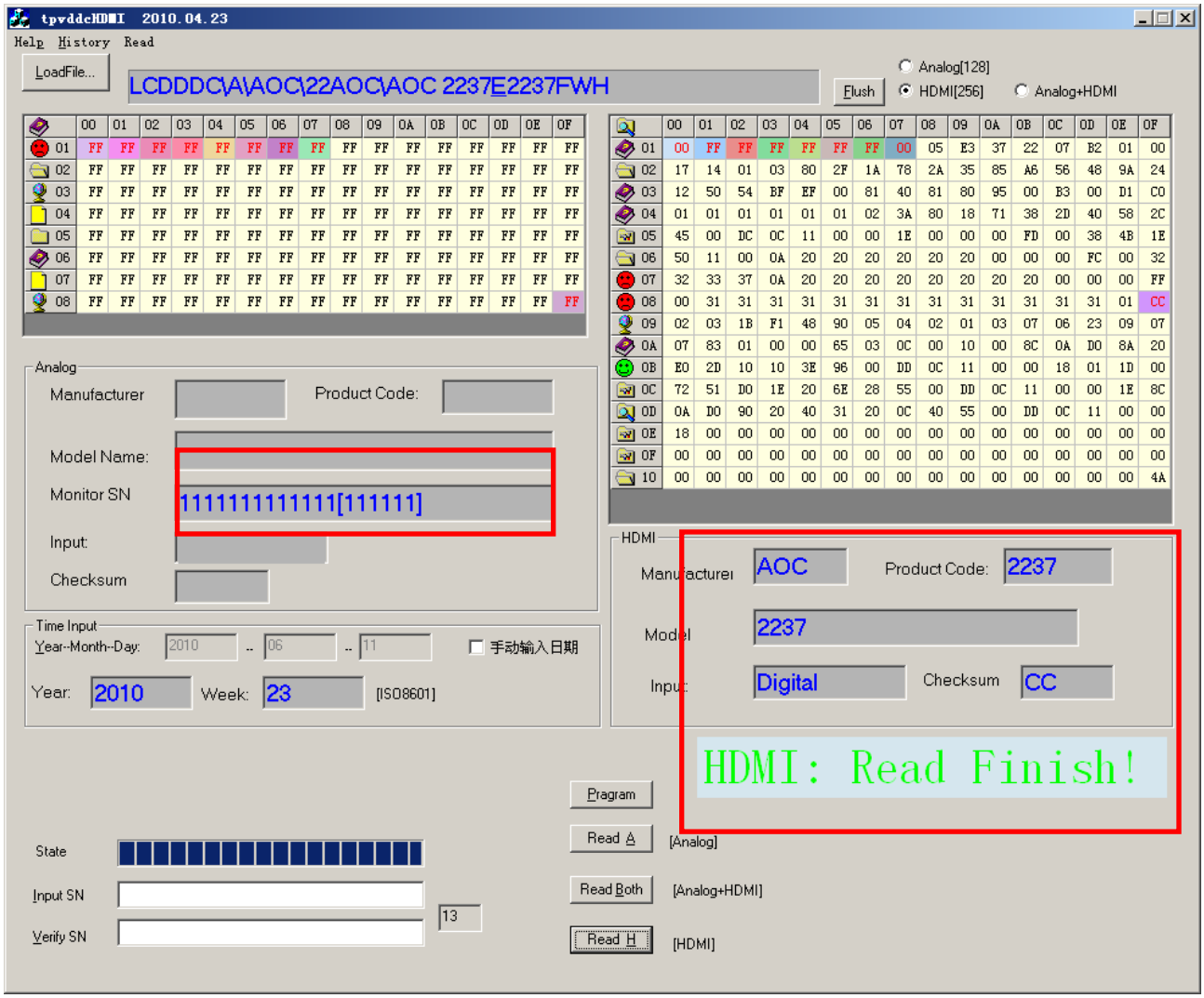


4.Input same SN twice. Click “Pragram” to burn. When appear “pass” as follow picture that burning is successful.

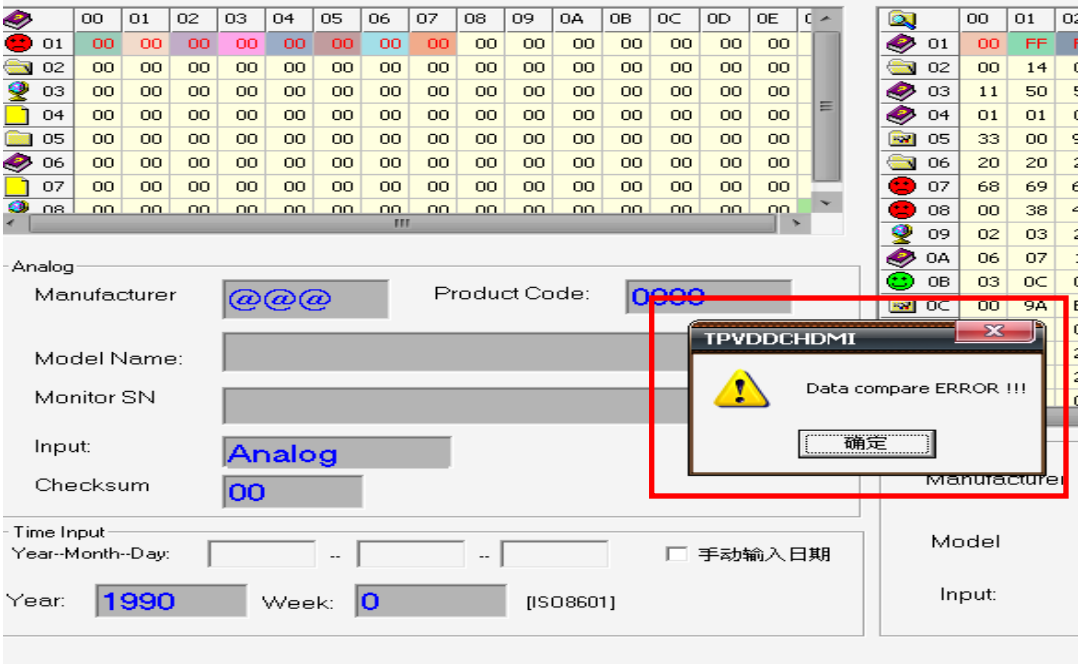




5.Click “READ” show as follow picuture.If read SN is same as before inputing and model name is same as before that burning is successful.



Note: Appear fault as follow, please check the connection of LPT cable ,Tool adapter cable and LCD power.



10. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

How to setting MEM channel you can reference to chroma 7120 user guide or simple use “SC” key and “NEXT” Key to modify xyY value and use “ID” key to modify the TEXT description Following is the procedure to do white-balance adjust .

1. Setting the color temp.

A. MEM.CHANNEL 3 (Warm color):

Warm color temp. parameter is x = 313 ±30, y = 329 ±30.

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is x = 301 ±30, y = 317 ±30.

C. MEM.CHANNEL 9(Cool color):

Cool color temp. parameter is x = 283 ±30, y = 297 ±30.

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±30, y = 329 ±30.

2. Enter into the factory mode:

Power off, press the “UP” and “DOWN” button at the same time, and then power on.You will enter into the factory mode.

3. Bias adjustment:

Set the Contrast to 50; Adjust the Brightness to 75.

4. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to RGB-Mode (with press “MODE” button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30.
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Normal (7300K) color-temperature

1. Switch the chroma-7120 to RGB-Mode (with press “MODE” button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 301 ± 30, y = 317± 30.
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

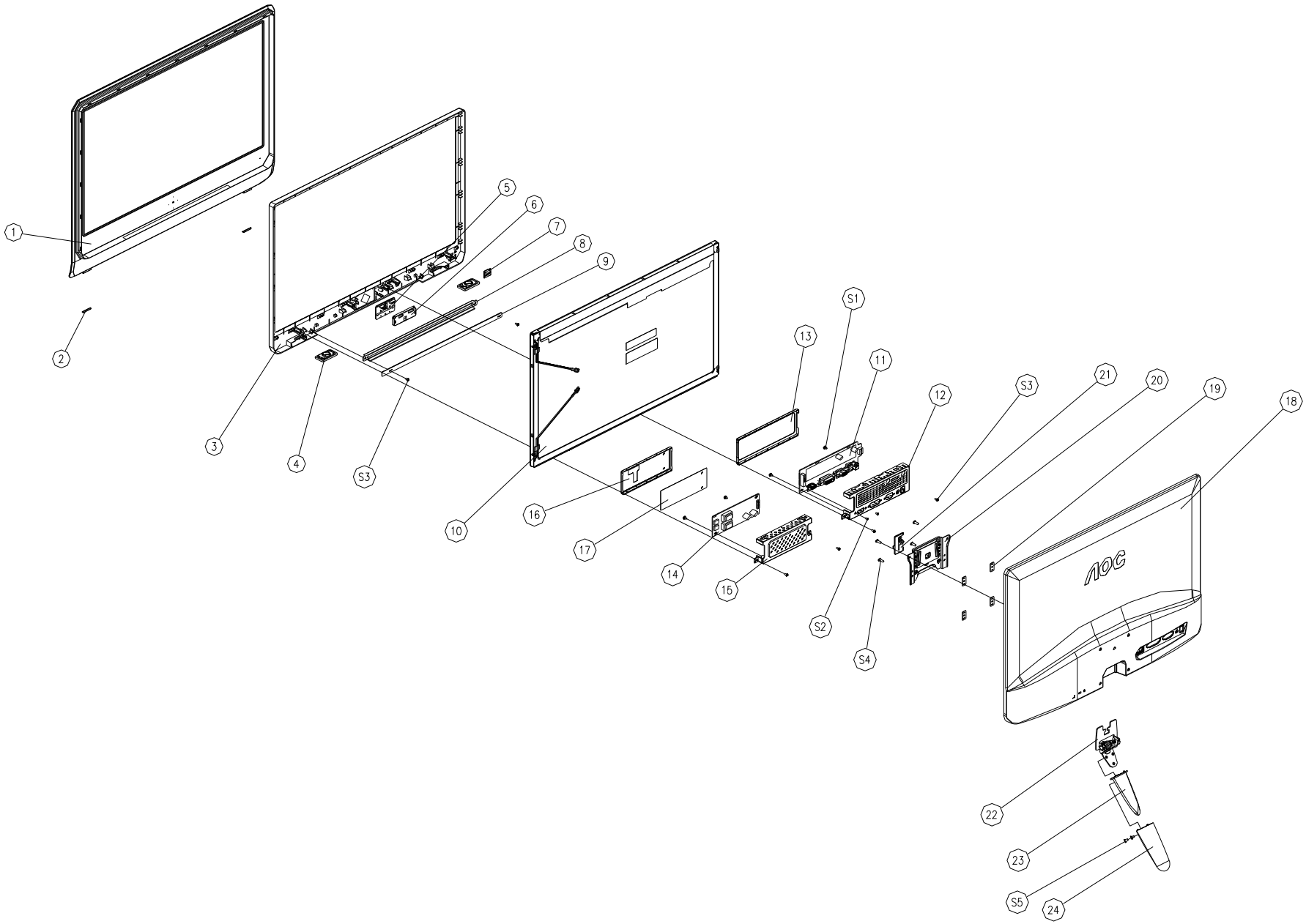
1. Switch the Chroma-7120 to RGB-Mode (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±30, y = 297 ±30.
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to RGB-Mode (with press “MODE” button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30.
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

E. Turn the Power-button off to quit from factory mode.

11. Monitor Exploded View



No.	Description
1	BEZEL
2	RUBBER
3	SUB-BEZEL
4	SPK
5	KEY BOARD
6	LIGHT_GUIDE
7	LIGHT BOARD
8	LIGHT PIPE
9	LED BOARD
10	PANEL
11	MAIN BOARD
12	SHIELDING -CASE (SCARLAR 165X44)
13	SHIELDING-COVER2-SCALAR
14	CONVERTER BOARD
15	INVERTER-CASE(125*44)
16	INVERTER-COVER(125*44)
17	MYLAR
18	REAR COVER
19	VESE_NUT_PLATE
20	STAND_BRKT
21	HINGE RELEASE
22	HINGE
23	STAND_CORE
24	STAND

No.	Part No.	Description
S1	0M1G1030 6120	SCREW M3X6(FOR MB&PB/SHIELDING)
S2	0M1G 130 5120	SCREW(FOR SHIELDING/MB)
S3	0Q1G 930 6120	SCREW 3X6MM
S4	0Q1G1040 10120	SCREW(FOR HINGE RELEASE/ STAND_BRKT)
S5	Q01G6078 2	SCREW

12. BOM List

Note: The parts information listed below are for reference only, and are subject to change without notice. Please go to http://cs.tpv.com.cn/hello1.asp for the latest information.

HIAAAFNKBXE6DN

Location	Part No.	Description	Remark
	052G 1211 A	CONDUCTIVE TAPE 55MM *45MM *0.08MM	
	052G 1211 B	CONDUCTIVE TAPE 85MM *40MM *0.09MM	
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
	070GHDCP500HDC	HDCP CODE	
	078G0020 2B Y	SPK 4OHM 2W 40X20MM 450 80 SUNLINK	
	089G 725HAADBD	D-SUB CABLE 1500MM	
	089G402A15N IS	AC POWER CORD 1500MM AMERICA REG.	
	095G176W 10528	FFC CABLE P0.5MM 10PIN 95MM	
	095G176W 10529	FFC CABLE P0.5MM 10PIN 370MM	
E09501	095G8018 3XH98	HARNESS 30P-30P(1.25MM) 280MM	2nd Source
E09505	095G8022 3D501	HARNESS 3P-3P 260MM	
	095G8022 4X503	HARNESS 4P-4P 260MM	
	095G8022 7W501	HARNESS 7P-6P 100MM	
	095G802210D505	HARNESS 10P-10P 350MM	
	0M1G1030 6120	SCREW M3X6	
	0Q1G 930 6120	SCREW 3X6MM	
	705GQ934362	STAND ASS'Y	
	A33G0782 X2 1L0100	STAND_CORE	
	A34G1528AGZ 1C0100	STAND	
	A37G0139011	HINGE	
	Q01G6078 2	SCREW	
	705GQ934392	REAR COVER ASS'Y	
	0Q1G1040 10120	SCREW	
	A15G0877101	VESE_NUT_PLATE	
	A15G0878101	STAND_BRKT	
	A33G0609ABJ 1L0100	HINGE RELEASE	
	A34G1470AGS 5B0130	REAR COVER	
	708GC134 CP	AOC 40(1558)	
	Q50G 4 10	TIE (Y1900221)	
	Q52G 1185 99	BIG CARTON TAPE FOR AOC	
E750	750GLU215H1614N000	PANEL M215HW01 V600 SH AUO	
E750	750GLU215H1624N000	PANEL M215HW01 V60A SH AUO	2nd Source
	756GQACB AA037 00	MAIN BOARD-CBPCAAFA2Q1	
U402	056G1133137	IC MX25L2026MI-12G SOP-8	
U402	056G2233 3	IC FLASH A25L020AO-F/Q 2MB SOP-8	
SMTCA-U402	100GAMAI00DYT1	MCU ASS'Y-056G2233 3	
	A15G0883101	SHIELDING -CASE (SCARLAR 165X44)	
	A15G0884201	SHIELDING-COVER2-SCALAR	
	A33G0760AGS 1L0100	LIGHT_GUIDE	
	A33G1526 KG 1L0100	LIGHT PIPE	
	A34G1469ABJ 3B0100	SUB-BEZEL	
	A34G1527 KGD1C0130	BEZEL	
	A85G0204201	INVERTER-CASE(125*44)	
	A85G0205301	INVERTER-COVER(125*44)	
	ADPC91236YB1	POWER BOARD	
	040G 45762412B	CBPC LABEL	

	033G6007 1	LENS	
IC902	056G 139 3A	IC PC123Y22FZ0F	
NR901	061G 58005 W	RST NTCR 5 OHM 3A THINKING	
R904	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS	
R904	061G152M47858G	0.47 OHM +-5% 2W	
C903	063G107K474 6S	CAP X2 0.47UF K 275VAC	
C903	063G107K474 UM	CAP X2 470NF 10% 275VAC MPX	
C903	063G107M47410M	CAP X2 0.47UF 20% 275VAC	
C909	065G 1K103 2E6213	CAP CER 10NF K 1KV	
C909	065G 1K103 2E6921	CAP CER 10NF K 1KV Y5U	
C900	065G306M1022B2	1000PF 400VAC/250VAC Y1	
C900	065G306M1022B3	Y1 CAP 1000PF M 250VAC TDK	
C900	065G306M1022BP	1000PF Y1.CAP	
C927	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C918	067G 515681 4L	EC 680UF 20% 25V RZW 8*20	
C919	067G 515681 4L	EC 680UF 20% 25V RZW 8*20	
C919	067G215C5614NV	EC 560UF 20% 25V KZM 8*20	
C918	067G215C5614NV	EC 560UF 20% 25V KZM 8*20	
C919	067G215C5614RV	EC 560UF 20% 25V ZLH 8*20	
C918	067G215C5614RV	EC 560UF 20% 25V ZLH 8*20	
C927	067G215V101 4N	KY25VB100M-CC3(6.3*11) 100UF M 25V	
C927	067G215V101 4R	LOW E.S.R 100UF M 25V	
C907	067G515Z82015L	EC 82UF 20% 450V RXQ 18*31.5	
C907	067G515Z82015N	EC 82UF 20% 450V KXG 18*30	
D903	071G 55 30	FERRITE BEAD 4.0*2*3	
D902	071G 55 30	FERRITE BEAD 4.0*2*3	
L902	073G 174514 H	LINE FILTER 14MH MIN LCL-11402 HA	
L902	073G 174514 S	LINE FILTER 14MH MIN	
L902	073G 174514 X	LINE FILTER 14MH MIN	
L901	073G 174515 H	LINE FILTER 0.45MH MIN LCL-11006 HA	
L901	073G 174515 S	LINE FILTER 0.45MH MIN	
L901	073G 174515 X	LINE FILTER 0.45MH MIN	
L903	073G 253902 H	IND CHOKE 0.8UH MIN DADO	
L903	073G 253902 S	IND CHOKE 0.8UH MIN TAIC	
T901	080GL19P512 F	POWER X'FMR 700UH 5%	
T901	080GL19P512 H	POWER X'FMR 700UH 5% BCK-11002-HA	
T901	080GL19P512 N	POWER X'FMR 700UH 5%	
T901	080GL19P512 S	POWER X'FMR 700UH 5% BCK-RM10-26209	
LED1	081G 2 3 1P	LED GPG2603T/R006-35A GUANGPU	
LED1	081G 2 1B GP	BLUE LED GPB2903CE/GP-1-40-HB	
E08906	089G 171535 G	DC CABLE 1000MM	
E08906	089G 171536 C	DC CABLE 1200MM	2nd Source
E08906	089G 171536 G	DC CABLE 1200MM	2nd Source
E08906	089G 171536 H	DC CABLE 1200MM	2nd Source
BD901	093G 50460514	BRIDGE KBP306G 3A/800V TSC	
D903	093G 52 1552T	DIODE 1N4007-E3/73 1A/1000V DO-41	
D902	093G 5212T52T	DIODE 1N4007 DO-41	
D903	093G 5212T52T	DIODE 1N4007 DO-41	
	705GQ957052	D906 ASS"Y	
	051G 200 1	OIL FOR DISAPPEAR	
D906	093G 60226	STPS20H100CT	
D906	093G 60228	MBR20100CT 20A 100VGI	
D906	093G 605AP	DIODE MBR20100CT	
	0M1G 130 5120	SCREW	

HS1	Q90G0201 1	HEAT SINK	
	705GQ957053	Q901 ASS"Y	
	051G 200 1	OIL FOR DISAPPEAR	
Q901	057G 667 21	STP10NK70ZFP	
Q901	057G 667924	MOSFET SMK0965F	
	0M1G 930 5120	SCREW	
HS1	Q90G0200 1	HEAT SINK	
	705GQA57002	AC SOCKET ASS'Y	
CN901	087G 50112A CJ	AC SOCKET	
CN901	087G 50112A DL	AC SOCKET 3PIN	2nd Source
	095G 900H12 X	YELLOW/GREEN 75MM	
	096G 29 6	H.S. TUBE	
IC901	056G 379530	IC LD7750GS 65KHZ SOP-8	
R940	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R912	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R940	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
R912	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
R911	061G0603202 JF	RST CHIPR 2K OHM +-5% 1/10W FENGHUA	
R911	061G0603202 JT	RST CHIPR 2KOHM 1/10W TZAI YUAN	
R918	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	
R918	061G0603203 JT	RST CHIP 20K 1/10W 5% TZAI YUAN	
R919	061G06034532FF	RST CHIPR 45.3KOHM +-1% 1/10W FENGHUA	
R905	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R905	061G08051002FY	RST CHIPR 10KOHM +-1% 1/8W YAGEO	
R903	061G08051004FF	RST CHIPR 1 MOHM +-1% 1/8W FENGHUA	
R903	061G08051004FT	RST CHIP R 1 MOHM +-1% 1/8W	
R942	061G0805101 JY	RST CHIPR 100OHM +- 5% 1/8W YEGAO	
R910	061G0805104 JF	RST CHIPR 100KOHM +-5% 1/8W FENGHUA	
R910	061G0805104 JT	RST CHIPR 100KOHM +- 5% 1/8W TZAI YUAN	
R916	061G08051152FT	RST CHIPR 11.5KOHM +- 1% 1/8W TZAI YUAN	
R941	061G0805159 JT	RST CHIP 1R5 1/8W 5%	
R922	061G0805471 JT	RST CHIPR 470OHM +-5% 1/8W TZAI YUAN	
JR901	061G1206000 7	RST CHIP MAX 0R05 1/4W	
R908	061G1206101 JF	RST CHIPR 100 OHM +-5% 1/4W FENGHUA	
R914	061G1206101 JF	RST CHIPR 100 OHM +-5% 1/4W FENGHUA	
R908	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R914	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R906	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R934	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R934	061G1206103 JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	
R906	061G1206103 JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R902	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R907	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
R937	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
R938	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
C930	065G060310332K F	CAP CHIP 0603 10NF K 50V X7R	
C930	065G060310332K Y	CAP CHIP 0603 10N 50V X7R +/-10%	
C915	065G060347332K M	NDS-ASSIGN MLCC 0603 CAP 0.047UF 50V X7R	
C915	065G060347332K Y	CAP CHIP 0603 47NF K 50V X7R	
C931	065G080510131J A	CAP CHIP 0805 100PF J 50V NPO	
C931	065G080510131J F	CAP CHIP 0805 100PF J 50V NPO	
C931	065G080510131J Y	CAP CHIP 0805 100PF J 50V NPO	
C901	065G080510332K A	CAP CHIP 0805 10NF K 50V X7R	

C901	065G080510332K F	CAP CHIP 0805 10NF K 50V X7R	
C910	065G080510432K 3	CAP CHIP 0805 100N 50V X7R +/-10%	
C910	065G080510432K A	CAP CHIP 0805 100NF K 50V X7R	
C910	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C920	065G080510522K 3	CAP CHIP 0805 1U 25V X7R +/-10%	
C920	065G080510522K Y	CAP CHIP 0805 1UF K 25V X7R	
C908	065G120622272K Y	CAP CHIP 1206 2200PF K 500V X7R	
C911	065G120622272K Y	CAP CHIP 1206 2200PF K 500V X7R	
C908	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
C911	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
D908	093G 64S522SEM	LL4148	
D908	093G 64S901 T	DIODE LS4148	
CN901	006G 31500	EYELET	
12V	006G 31501	EYELET	
A	006G 31501	EYELET	
GND	006G 31501	EYELET	
C903	006G 31502	1.5MM RIVET	
C907	006G 31502	1.5MM RIVET	
L901	006G 31502	1.5MM RIVET	
L902	006G 31502	1.5MM RIVET	
NR901	006G 31502	1.5MM RIVET	
IC903	056G 158 12	KIA431A-AT/P TO-92	
R947	061G 60210052T XZ	RST CFR 10 OHM +-5% 1/6W XIANZHENG	
C925	065G 2K152 2T6213	CAP CER 1500PF K 2KV	
C925	065G 2K152 2T6921	CAP CER 1500PF K 2KV Y5P	
C929	067G 2154707NT	KY50VB47M-TP5 6.3*11	
C929	067G 2154707RT	LOW E.S.R 47UF +/-20% 50V	
C929	067G215Y4707LT	LOW ESR EC 47UF 50V M 6.3*11MM	
FB901	071G 55908	FERRITE CORE 60R W5 RH 2.5X3X1.0	
F901	084G 55 7W	FUSE 3.15A 250V WICKMANN	
F901	084G 56 3 B	FUSE 3.15A 250V	
J902	095G 90 23	JUMPER WIRE	
J903	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J901	095G 90 23	JUMPER WIRE	
E715	715G3980P02000003M	ARPHONE PCB CEM-1 96.5X44X1.6MM S/S	2nd Source
E715	715G3980P02000003S	ARPHONE PCB CEM-1 96.5X44X1.6MM S/S	
	Q33G0464 1101A 18	TOP COVER	
	Q33G0465 1101A 18	BOTTOM COVER	
	Q40G000362427A	LABEL	
	Q40G300B615 1B	LABEL	
	Q45G5501 1	PE PACKING 140 80 3.0	
	Q51G 6 4509	GLUE_RTV	
	Q51G 6 4509	GLUE_RTV	
T901	S80GL19P512V	TRANSFORMER ASS'Y	
	S34FP19P512VZ	GROUPWARE WIRE	
	ADPC93602AB1	CONVERTER BOARD G3622-P0C-000-X-X-1-090928	
	040G 45762412B	CBPC LABEL	
C821	067G 4151017KV	EC 100UF 50V ED 8*12	
C810	067G 4151017KV	EC 100UF 50V ED 8*12	
C821	067G 4151017LV	EC 100UF 20% 50V RZY 8*11.5	
C810	067G 4151017LV	EC 100UF 20% 50V RZY 8*11.5	
C801	067G 415221 4K	105℃ 220UF M 25V KING NICHI	

C812	067G 415221 4K	105℃ 220UF M 25V KING NICHI	
CN803	033G801910Y H	FPC CONN. 0.5MM SMT 10P	
CN802	033G801910Y H	FPC CONN. 0.5MM SMT 10P	
CN801	033G803210F HR	CONNECTOR	
U801	056G 379156	IC OZ9955ALN QFN-24	
U802	056G 379156	IC OZ9955ALN QFN-24	
Q801	057G 763 34	FET AO4419 -9.7A/-30V SO-8	
Q802	057G 763 34	FET AO4419 -9.7A/-30V SO-8	
R828	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R807	061G0603103 JF	RST CHIPR 10K OHM +-5% 1/10W FENGHUA	
R802	061G0603104 JF	RST CHIPR 100KOHM 5% 1/10W FENGHUA	
R823	061G0603104 JF	RST CHIPR 100KOHM 5% 1/10W FENGHUA	
R808	061G0603104 JW	RST CHIP 100K 1/10W 5% WALSIN	
R827	061G0603104 JW	RST CHIP 100K 1/10W 5% WALSIN	
R811	061G0603105 JY	RST CHIP 1M 1/10W 5% YAGEO	
R831	061G0603105 JY	RST CHIP 1M 1/10W 5% YAGEO	
R813	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R840	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R839	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R838	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R837	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R836	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R835	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R834	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R833	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R820	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R819	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R818	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R817	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R816	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R815	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R814	061G0603109 JT	RST CHIP 1R 1/10W 5% TZAI YUAN	
R822	061G0603123 JT	RST CHIPR 12KOHM 1/10W TZAI YUAN	
R803	061G0603123 JT	RST CHIPR 12KOHM 1/10W TZAI YUAN	
R832	061G0603623 JF	ST CHIPR 62KOHM 5% 1/10W FENGHUA	
R812	061G0603623 JF	ST CHIPR 62KOHM 5% 1/10W FENGHUA	
F802	061G12060004JF	RST CHIPR MAX0R05 4A 1/4W FENGHUA	
F801	061G12060004JF	RST CHIPR MAX0R05 4A 1/4W FENGHUA	
C803	065G060310232K Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C814	065G060310232K Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C804	065G060310332K Y	CAP CHIP 0603 10N 50V X7R +/-10%	
C815	065G060310332K Y	CAP CHIP 0603 10N 50V X7R +/-10%	
C805	065G080522512K T	CAP CHIP 0805 2.2UF K 16V X7R	
C816	065G080522512K T	CAP CHIP 0805 2.2UF K 16V X7R	
C808	065G120610532K 3	CAP CHIP 1UF 50V X7R	
C819	065G120610532K 3	CAP CHIP 1UF 50V X7R	
D801	093G 60S 31 T	DIODE B360B 3A/60V SMB	
D802	093G 60S 31 T	DIODE B360B 3A/60V SMB	
R804	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	
R824	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	
R806	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	
R825	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	
R810	061G06031202FF	RST CHIPR 12KOHM +-1% 1/10W FENGHUA	
R830	061G06031202FF	RST CHIPR 12KOHM +-1% 1/10W FENGHUA	

R821	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R801	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R801	061G08051002FY	RST CHIPR 10KOHM +-1% 1/8W YAGEO	
R821	061G08051002FY	RST CHIPR 10KOHM +-1% 1/8W YAGEO	
L801	073G253S 80 H	SMD CHOKE 22UH 2.16A SPI103LRR-220	
L802	073G253S 80 H	SMD CHOKE 22UH 2.16A SPI103LRR-220	
L801	073G253S 80 DN	SMD CHOKE 22UH 2.16A LZ.3A220.A1P HF	
L802	073G253S 80 DN	SMD CHOKE 22UH 2.16A LZ.3A220.A1P HF	
D801	093G 60S926 T	DIODE SR36 DO-214AA	
D802	093G 60S926 T	DIODE SR36 DO-214AA	
	715G3622P01000004L	POWER PCB 110X40X1.6MM FR-4 D/S 1OZ	
C718	067G204V181 3K	CS CAP 180UF 16V 8*8 MM	
C716	067G204V471 2K	CS CAP 470UF 10V 8*8 MM	
C604	067G204V471 2K	CS CAP 470UF 10V 8*8 MM	
FB701	071G 55 26 S	FERRITE CORE	
CN601	088G 30254C	PHONE JACK 3.5MM 5P V/A GREEN	
CN601	088G 30254S	PHONE JACK 3.5MM 5P V/T GREEN	2nd Source
CN701	088G 304 11 C	DC POWER JACK 3P 2.5MM	
CN101	088G 35315F A	D-SUB 15PIN DB15-1	
CN101	088G 35315FVDL	D-SUB CONN 15P FEMALE V/T WITH SCREW	2nd Source
CN102	088G 35424F VC	DVI CONN 24P V/T WITH SCREW	
	090G6250 1 GP	HEAT SINK	
X401	093G 22 53 J	14.31818MHZ/32PF/49US	
X401	093G 22 53 YC	CRYSTAL 14.31818MHZ/32PF 49U/S YC	
	Q90G6332 1	HEAT SINK	
CN602	033G8023 4 JS	WAFER	
CN402	033G8032 4F HR	CONNECTOR	
CN401	033G8032 7F X	WAFER 7P 1.25MM S1315-07RVB-S01-K	2nd Source
CN401	033G8032 7F HR	CONNECTOR	
CN702	033G803210F HR	CONNECTOR	
U401	056G 562306	IC TSUMU88MWDT3-LF-1 PQFP-128	
U702	056G 563121	IC G1084-33TU3UF TO-263T	
U703	056G 563123	IC G1084-18TU3UF TO-263T	
U602	056G 563215	IC DC/DC MP1584EN SOIC8E	
U705	056G 563215	IC DC/DC MP1584EN SOIC8E	
U601	056G 616 65	IC PAM8602MNHR SSOP-24	
U501	056G 662 18	IC AZ1045-04F.R7G DFN2510P10E	
U502	056G 662 18	IC AZ1045-04F.R7G DFN2510P10E	
U501	056G 662 21	IC AOZ8804DI DFN-10	
U502	056G 662 21	IC AOZ8804DI DFN-10	
U103	056G 662502	C ESD AZC199-04S SOT23-6L	
U104	056G 662502	C ESD AZC199-04S SOT23-6L	
U105	056G 662502	C ESD AZC199-04S SOT23-6L	
U106	056G 662502	C ESD AZC199-04S SOT23-6L	
U107	056G 662502	C ESD AZC199-04S SOT23-6L	
U503	056G 662502	C ESD AZC199-04S SOT23-6L	
U503	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U107	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U106	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U105	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U104	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U103	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U402	056G1133137	IC MX25L2026MI-12G SOP-8	
U101	056G1133918	IC AT24C02BN-SH-T 8-SOIC	

U102	056G1133918	IC AT24C02BN-SH-T 8-SOIC	
U504	056G1133918	IC AT24C02BN-SH-T 8-SOIC	
U101	056G1133956	IC CAT24C02WI-GT3 SO-8	
U102	056G1133956	IC CAT24C02WI-GT3 SO-8	
U504	056G1133956	IC CAT24C02WI-GT3 SO-8	
U402	056G2233 3	IC FLASH A25L020AO-F/Q 2MB SOP-8	
Q701	057G 417511	MMBT3904	
Q604	057G 417511	MMBT3904	
Q505	057G 417511	MMBT3904	
Q504	057G 417511	MMBT3904	
Q503	057G 417511	MMBT3904	
Q502	057G 417511	MMBT3904	
Q401	057G 417511	MMBT3904	
Q302	057G 417511	MMBT3904	
Q603	057G 417512	MMBT3906	
Q403	057G 417512	MMBT3906	
Q402	057G 417512	MMBT3906	
Q402	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q403	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q603	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q701	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q604	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q505	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q504	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q503	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q502	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q401	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q302	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q301	057G 763 1	A03401 SOT23 BY AOS(A1)	
Q301	057G 763513	P6403FMG BY NIKO-SEM	
R414	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R423	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R501	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R502	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R503	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R504	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R505	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R506	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R507	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R508	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R510	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R408	061G0402000 JY	RST CHIPR 0 OHM +-5% 1/16W YAGEO	
R129	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R128	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R127	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R126	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R115	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R111	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R105	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R130	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R131	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R132	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R134	061G0402100 JY	RST CHIPR 10 OHM +-5% 1/16W YAGEO	
R101	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	

R113	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R118	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R119	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R409	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R410	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R411	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R415	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R416	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R417	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R422	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R428	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R434	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R514	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R515	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R706	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R436	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R437	061G0402101 JY	RST CHIPR 100 OHM +-5% 1/16W YAGEO	
R606	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R521	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R516	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R104	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R103	061G0402102 JY	RST CHIPR 1KOHM +-5% 1/16W YAGEO	
R518	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R513	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R435	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R427	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R426	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R412	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R407	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R308	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R305	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R136	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R123	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R120	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R520	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R439	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R438	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R705	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R703	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R702	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R615	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R610	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R609	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R607	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R605	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R604	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R603	061G0402103 JY	RST CHIPR 10KOHM +-5% 1/16W YAGEO	
R621	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R306	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R421	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R711	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R726	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R613	061G04021202FY	RST CHIP 12K 1/16W 1%	
R714	061G04021301FT	RST 0402 1.3K 1% 1/16W TZAI YUAN	

R714	061G04021301FY	RST CHIPR 1K3 +-1% 1/16W YAGEO	
R522	061G0402202 JY	RST CHIPR 2KOHM 1/16W YAGEO	
R614	061G04022211FY	RST CHIP 2.21K 1/16W 1%	
R106	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R107	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R704	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R406	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R304	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R710	061G0402304 JF	RST 0402 300K 5% 1/16W FENGHUA	
R727	061G0402333 JY	RST CHIPR 33KOHM £«-5£¥ 1/16W YAGEO	
R401	061G04023900FY	RST CHIPR 390 OHM +-1% 1/16W YAGEO	
R418	061G04023901FY	RST CHIPR 3.9KOHM 1% 1/16W YAGEO	
R432	061G04023901FY	RST CHIPR 3.9KOHM 1% 1/16W YAGEO	
R433	061G04023901FY	RST CHIPR 3.9KOHM 1% 1/16W YAGEO	
R109	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R114	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R117	061G0402470 JY	RST CHIPR 47 OHM 5% 1/16W YAGEO	
R110	061G0402471 JY	RST CHIPR 470OHM +-5% 1/16W YAGEO	
R424	061G0402471 JY	RST CHIPR 470OHM +-5% 1/16W YAGEO	
R517	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R512	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R511	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R420	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R419	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R404	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R402	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R303	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R138	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R137	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R125	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R124	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R519	061G0402473 JY	RST CHIPR 47KOHM +-5% 1/16W YAGEO	
R523	061G0402473 JY	RST CHIPR 47KOHM +-5% 1/16W YAGEO	
R524	061G0402473 JY	RST CHIPR 47KOHM +-5% 1/16W YAGEO	
R525	061G0402473 JY	RST CHIPR 47KOHM +-5% 1/16W YAGEO	
R611	061G0402474 JT	RST CHIP 470K 1/16W 5% TZAI YUAN	
R611	061G0402474 JY	RST CHIP 470K 1/16W 5% YAGEO	
R713	061G04026801FY	RST CHIP 6K8 1/16W 1%	
R108	061G0402750 JY	RST CHIPR 75OHM +-5% 1/16W YAGEO	
R112	061G0402750 JY	RST CHIPR 75OHM +-5% 1/16W YAGEO	
R116	061G0402750 JY	RST CHIPR 75OHM +-5% 1/16W YAGEO	
R601	061G0402752 JT	RST CHIP 7K5 1/16W 5% TZAI YUAN	
R602	061G0402752 JT	RST CHIP 7K5 1/16W 5% TZAI YUAN	
R601	061G0402752 JY	RST CHIPR 7.5KOHM +-5% 1/16W YAGEO	
R602	061G0402752 JY	RST CHIPR 7.5KOHM +-5% 1/16W YAGEO	
R102	061G0603000 JY	RST CHIPR MAX0R05 1/10W YAGEO	
R617	061G0603000 JY	RST CHIPR MAX0R05 1/10W YAGEO	
R403	061G0603000 JY	RST CHIPR MAX0R05 1/10W YAGEO	
R405	061G0603000 JY	RST CHIPR MAX0R05 1/10W YAGEO	
R301	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R302	061G1206221 JF	RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
C107	065G040210232K Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C425	065G040210232K Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C426	065G040210232K Y	CAP CHIP 0402 1N 50V X7R +/-10%	

C603	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C430	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C438	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C437	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C436	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C432	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C431	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C422	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C417	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C416	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C407	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C415	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C413	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C412	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C411	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C410	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C409	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C408	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C439	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C651	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C653	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C725	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C712	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C636	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C602	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C503	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C120	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C717	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C709	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C708	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C706	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C705	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C702	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C606	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C501	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C441	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C406	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C405	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C404	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C403	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C304	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C301	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C124	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C115	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C719	065G040210427Z	T	CAP CHIP 0402 0.1UF 25V Y5V	
C713	065G040210427Z	T	CAP CHIP 0402 0.1UF 25V Y5V	
C750	065G0402105A5K	Y	CAP 0402 1UF K 10V X5R	
C650	065G0402105A5K	Y	CAP 0402 1UF K 10V X5R	
C635	065G040215131J	Y	CHIP 150PF 50V NPO YAGEO	
C724	065G040215131J	Y	CHIP 150PF 50V NPO YAGEO	
C103	065G040222031J	Y	CAP CHIP 0402 22P 50V NPO +/-5%	
C104	065G040222031J	Y	CAP CHIP 0402 22P 50V NPO +/-5%	
C608	065G040222131J	F	CAP 0402 220PF J 50V NPO	
C607	065G040222131J	F	CAP 0402 220PF J 50V NPO	

C116	065G040222417Z	Y	CAP CHIP 0402 220NF 16V Y5V	
C117	065G040222417Z	Y	CAP CHIP 0402 220NF 16V Y5V	
C303	065G040222417Z	Y	CAP CHIP 0402 220NF 16V Y5V	
C401	065G040222417Z	Y	CAP CHIP 0402 220NF 16V Y5V	
C502	065G040222417Z	Y	CAP CHIP 0402 220NF 16V Y5V	
C420	065G040247031J	Y	CAP CHIP 0402 47PF 50V NPO +/-5%	
C421	065G040247031J	Y	CAP CHIP 0402 47PF 50V NPO +/-5%	
C110	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C111	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C114	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C108	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C106	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C102	065G040247312K	T	CAP CHIP 0402 0.047UF 16V X7R	
C113	065G040250931J	Y	CAP CHIP 0402 5PF 50V NPO	
C109	065G040250931J	Y	CAP CHIP 0402 5PF 50V NPO	
C105	065G040250931J	Y	CAP CHIP 0402 5PF 50V NPO	
C620	065G060310221J	Y	CAP CHIP 0603 1N 25V NPO +/-5%	
C621	065G060310221J	Y	CAP CHIP 0603 1N 25V NPO +/-5%	
C622	065G060310221J	Y	CAP CHIP 0603 1N 25V NPO +/-5%	
C623	065G060310221J	Y	CAP CHIP 0603 1N 25V NPO +/-5%	
C652	065G060310232K	A	CAP CHIP 0603 1000PF K 50V X7R	
C720	065G060310232K	Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C721	065G060310232K	Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C617	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C615	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C614	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C613	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C612	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C611	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C429	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C428	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C427	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C305	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C618	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C626	065G060310512K	3	MLCC 0603 CAP 1UF K 16V X7R	
C624	065G060322131J	Y	CAP CHIP 0603 220P 50V NPO +/-5%	
C625	065G060322131J	Y	CAP CHIP 0603 220P 50V NPO +/-5%	
C619	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C616	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C444	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C443	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C442	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C440	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C419	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C418	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C414	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C402	065G0805106A7Z	3	CAP CHIP 0805 10U 10V Y5V -20~+80%	
C751	065G080556131J	F	CAP CHIP 0805 560PF J 50V NPO	
C722	065G120610625K	T	CAP CHIP 1206 10UF K 25V X5R	
C601	065G120610625K	T	CAP CHIP 1206 10UF K 25V X5R	
C707	065G120622615K	M	CAP CHIP 1206 22UF K 16V X5R	
C704	065G120622615K	M	CAP CHIP 1206 22UF K 16V X5R	
C609	065G120622615K	M	CAP CHIP 1206 22UF K 16V X5R	
C302	065G120622615K	M	CAP CHIP 1206 22UF K 16V X5R	

C302	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C609	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C704	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C707	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
FB301	071G 56K121	CHIP BEAD	
FB401	071G 56K121	CHIP BEAD	
FB402	071G 56K121	CHIP BEAD	
FB403	071G 56K121	CHIP BEAD	
FB404	071G 56K121	CHIP BEAD	
FB405	071G 56K121	CHIP BEAD	
FB406	071G 56K121	CHIP BEAD	
FB601	071G 56K121	CHIP BEAD	
FB602	071G 56K121	CHIP BEAD	
FB603	071G 56K121	CHIP BEAD	
FB604	071G 56K121	CHIP BEAD	
FB408	071G 56K121 M	CHIP BEAD	
FB407	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL	
FB502	071G 59G301	CHIP BEAD 300OHM	
FB501	071G 59G301	CHIP BEAD 300OHM	
FB105	071G 59G301	CHIP BEAD 300OHM	
FB104	071G 59G301	CHIP BEAD 300OHM	
FB103	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB101	071G 59K190 B	19 OHM BEAD	
FB605	071G 59K300 TA	CHIP BEAD 0603 30R/700MA TAI-TECH	
FB702	071G 59K300 TA	CHIP BEAD 0603 30R/700MA TAI-TECH	
L701	073G M5822020S	CHOKE SMD 22UH+-20% TAICHANG	
L601	073G M5822020S	CHOKE SMD 22UH+-20% TAICHANG	
L701	073G253S 36 R	SMD CHOKE 22UH AFPI4D28220NT	
L601	073G253S 36 R	SMD CHOKE 22UH AFPI4D28220NT	
CN501	088G 34019H VA	HDMI HEADER 19P V/T H:13.0MM	
D501	093G 60505	DIO SIG SM BAT54C(PHSE)R	
D101	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	
D102	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	
D102	093G 64 42 PP	BAV70 SOT-23	
D101	093G 64 42 PP	BAV70 SOT-23	
ZD101	093G 39GA01 T	RLZ5.6B	
ZD501	093G 39GA01 T	RLZ5.6B	
ZD603	093G 39S 10 T	RLZ6.8B BY ROHM	
D601	093G 64S522SEM	LL4148	
D708	093G3004 2	SR34 PAN JIT	
D707	093G3004 2	SR34 PAN JIT	
D704	093G3004 2	SR34 PAN JIT	
D703	093G3004 2	SR34 PAN JIT	
D701	093G3004 2	SR34 PAN JIT	
D602	093G3004 2	SR34 PAN JIT	
D602	093G3004 3	SM340A	
D701	093G3004 3	SM340A	
D703	093G3004 3	SM340A	
D704	093G3004 3	SM340A	
D707	093G3004 3	SM340A	
D708	093G3004 3	SM340A	
CN301	311GW125A30ACH	WAFER 1.25MM 30P	
E715	715G3603M02000004F	MAIN PCB FR4 165X50X1.6MM DS	2nd Source

E715	715G3603M02000004L	MAIN PCB FR4 165X50X1.6MM DS	
	KEPC9QKL	KEY BOARD G3646-K01-X-X-1-100428	
	Q52G 3100	DOUBLE FACE TAPE	
CN002	033G8032 3F S HR	CONNECTOR	
CN001	033G8032 6F S HR	CONNECTOR	
U001	056G 669 1	IC CG7216AM QFN-16(COL)	
Q002	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q001	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
R006	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R007	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R008	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R009	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R010	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R010	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R009	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R008	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R007	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R006	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R011	061G0603152 JY	RST CHIPR 1.5KOHM +-5% 1/10W YAGEO	
R012	061G0603472 JY	RST CHIPR 4.7KOHM +-5% 1/10W YAGEO	
R013	061G0603472 JY	RST CHIPR 4.7KOHM +-5% 1/10W YAGEO	
R005	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R004	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R003	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R002	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R001	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R002	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R001	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R005	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R004	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R003	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
C001	065G060310231J M	CAP CHIP 0603 1000PF J 50V NPO	
C005	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C004	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C003	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C002	065G060310605M T	MLCC 0603 10UF 6.3V X5R +-20%	
LED005	081G 14 33 EL	LED 23-21B/B3C-AL1M2B16Y/2A	
LED004	081G 14 33 EL	LED 23-21B/B3C-AL1M2B16Y/2A	
LED003	081G 14 33 EL	LED 23-21B/B3C-AL1M2B16Y/2A	
LED002	081G 14 33 EL	LED 23-21B/B3C-AL1M2B16Y/2A	
LED001	081G15BY 2 EL	LED 12-22BHS2C-A01-2C	
E715	715G3646K01000004S	KEY PCB FR4 50X29X1.6MM DS	2nd Source
E715	715G3646K01000004W	KEY PCB FR4 50X29X1.6MM DS	
	LEPC9QQL	LED BOARD G3757-T0D-000-0040-1-090925	
CN031	033G8032 3F HR	CONNECTOR 3P 1.25	
Q031	057G 761 18 T	TRA SST2222A SST3 ROHM	
R046	061G0603102 JY	RST CHIPR 1KOHM +-5% 1/10W YAGEO	
R031	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R032	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R033	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R034	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R035	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R036	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R037	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	

R038	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R039	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R040	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R041	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R042	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R043	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R044	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
R045	061G0603221 JY	RST CHIP 220 OHM 1/10W 5%	
C031	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
LED031	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED032	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED033	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED034	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED035	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED036	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED037	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED038	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED039	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED040	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED041	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED042	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED043	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED044	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED045	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
	715G3757T01000004L	OTHER PCB FR-4 320X9.5X1.0MM	
R045	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R044	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R043	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R042	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R041	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R040	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R039	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R038	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R037	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R036	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R035	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R034	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R033	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R032	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R031	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
	LSPC9QQL	LIGHT BOARD	
CN711	033G8032 4F S HR	CONNECTOR	
U711	056G 665 62	IC ALS-PDIC17-79NB/TR8 FN-6	
	715G3637T01000004S	OTHER PCB FR-4 18X14X1.0MM DS	
	Q12G6300 98	RUBBER	
	Q40G0003615A47	E2237FWH POP LABEL	
	Q40G0003615B18	37 STICKER LABEL	
	Q40G000362420A	WIN7+EPEAT SILVER+EPA 54X15	
	Q41G78S161520A	E2237FWH QSG	
	Q44GC134101	PULP MOLD	
	Q44GC134201	PULP MOLD	
	Q44GC134615 3A	21.5 LCD CARTON	
	Q45G 88609204 N	EPE BAG	
E09501	S95G80183H98	LVDS CABLE 30P-30P(1.25MM) 280MM	

	033F303SM24K30	PK2407P30/TD00-30LH	
	033F206H30P252	PD240315/A1252H002-2*15P	
	033F303TTD1	TD00-T 2407PS-00	
	033F206T2J1252	2403PS-2/A1252TOP-2	
	033F303TTD1	TD00-T 2407PS-00	
	033F206T2J1252	2403PS-2/A1252TOP-2	
	033F 303 30JAE	FI-X30H	
	033F206H30P252	PD240315/A1252H002-2*15P	
E09505	S95G80223501	HARNESS 3P-3P 260MM	2nd Source
	033F206H03P253	A1253HA-3P	
	033F206H03P253	A1253HA-3P	
	033F206THR2253	A1253TPE-A	
	089G 17356X553	AUDIO CABLE	
	Q36G 600517	DUSTER CLOTH	
	Q41G780A61592A	NA WARRANTY CARD	
	Q41G780A61593A	EASE CARD	
	Q45G 76 28 RN R	PE BAG MANUAL	
	Q70G22C161510A	E2237FWH CD	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	040G 581689 4A	BARCODE LABEL FOR 1	
	Q40G 22E61526A	RATING LABEL	
	Q40G000161515A	CARTON LABEL	

HIAAAP2KBXE6DN

Location	Part No.	Description	Remark
	052G 1211 A	TASMA ALUMINIOWA	
	052G 1211 B	CONDUCTIVE TAPE 85MM *40MM *0.09MM	
	052G 2191 A	PAPER TAPE	
	052G6019 1	INSULATING TAPE	
	078G0020 2B Y	SPK 4OHM 2W 40X20MM 450 80 SUNLINK	
	089G 17356X553	AUDIO CABLE 1800MM	
	089G 725HAADBD	D-SUB CABLE 1500MM	
E08901	089G402A15N HL	AC POWER CORD 1500MM	2nd source
E08901	089G402A15N IS	POWER CORD 1.5M	
E09501	095G8018 3XH98	HARNESS 30P-30P 280MM	2nd source
E09505	095G8022 3D501	HARNESS 3P-3P 180MM	
	095G8022 4X503	HARNESS 4P-4P 260	
	095G8022 6X513	HARNESS 6P-6P(A1253HA HR) 85MM	
	095G8022 7W501	HARNESS 7P-6P 80MM	
	095G802210D505	HARNESS 10P-10P 350	
	708GC134 CP	AOC COMPOUND PALLET 40(1558)	
	Q45G 77 5	PE PACKING (Y1900241)	
	Q50G 4 10	TIE (Y1900221)	
	Q52G 1185 99	BIG CARTON TAPE FOR AOC	
	750GBU215H1BB7N000	LCD M215HW01 VB0B WJ AUO	
	756GQACB AA244 00	MAIN BOARD -CBPCAAPA1QL	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2MB SOP-8	
SMTCA-U402	100GAMAI00MYT1	MCU ASS'Y-056G2233501	
	801GQAEE170	L215WA-937-ASS"Y	
	0M1G1030 6120	SCREW M3X6	
	0Q1G 930 6120	SCREW 3X6MM	
	0Q1G1040 10120	SCREW	
	A15G0877101	VESE_NUT_PLATE	
	A15G0878101	BRACKET	
	A15G0883101	SHIELDING -CASE (SCARLAR 165X44)	
	A15G0884201	SHIELDING-COVER2-SCALAR	
	A37G0139011	HINGE	
	A85G0204201	INVERTER-CASE(125*44)	
	A85G0205301	INVERTER-COVER(125*44)	
	802GQA34032	L215WA-937-STAND-ASS"Y	
	A34G1528AGZ 1C0100	STAND	
	Q01G6078 2	SCREW	
	802GQA34034	L215WA-937-BEZEL-ASS"Y	
	A34G1527 KGD1C0102	BEZEL	
	Q12G6300 98	RUBBER	
	803GQA44090	L215WA-937-EPS-ASS"Y	
	Q44GC134101	PULP MOLD	
	Q44GC134201	PULP MOLD	
	A33G0609ABJ 1L0100	HINGE RELEASE	
	A33G0760AGS 1L0100	LIGHT_GUIDE	
	A33G0782 X2 1L0100	STAND_CORE	
	A33G1526 KG 1L0100	NO-SUGGEST LIGHT PIPE	
	A34G1469ABJ 3B0100	SUB-BEZEL	
	A34G1470AGS 5B0130	REAR COVER	
	ADPC91236YB1	POWER BOARD	
	040G 45762412B	CBPC LABEL	
	Q40G300B615 1C	LABEL ADAPTER	
IC902	056G 139 3A	PC123Y22FZOF SHARP	
NR901	061G 58005 W	RST NTCR 5 OHM 3A THINKING	

R904	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS	
R904	061G152M47858G	0.47 OHM +-5% 2W	
C903	063G107M47410M	CAP X2 470NF 20% 275V	
C903	063G107M474AUM	CAP X2 470NF 20% 305V	
C909	065G 1K103 2E6213	CAP CER 10NF K 1KV	
C909	065G 1K103 2E6921	CAP CER 10NF K 1KV Y5U	
C900	065G306M1022B3	Y1 CAP 1000PF M 250VAC TDK	
C900	065G306M1022BP	CAP Y1 1NF 20% 250V Y5V	
C900	065G306M1022BP	CAP Y1 1NF 20% 250V Y5V	
C918	067G 515681 4L	EC 680UF 20% 25V RZW 8*20	
C919	067G 515681 4L	EC 680UF 20% 25V RZW 8*20	
C919	067G215C5614NV	EC 560UF 20% 25V KZM 8*20	
C918	067G215C5614NV	EC 560UF 20% 25V KZM 8*20	
C919	067G215C5614RV	EC 560UF 20% 25V ZLH 8*20	
C918	067G215C5614RV	EC 560UF 20% 25V ZLH 8*20	
C907	067G515Z82015H	EC 82UF 20% 450V 18*32	
C907	067G515Z82015L	EC 82UF 20% 450V RXQ 18*31.5	
C907	067G515Z82015N	EC 82UF 20% 450V KXG 18*30	
D902	071G 55 30	FERRITE BEAD 4.0*2*3	
L902	073G 174514 H1	LINE FILTER 14MH MIN --	
L902	073G 174514 X1	LINE FILTER 14MH MIN 3LFT1495-143M-1	
L901	073G 174515 H	LINE FILTER 0.45MH MIN LCL-11006 HA	
L901	073G 174515 S	LINE FILTER 0.45MH MIN	
L901	073G 174515 X	LINE FILTER 0.45MH MIN 3LFT1064-451M	
L903	073G 253902 H	IND CHOKE 0.8UH MIN DADON	
L903	073G 253902 S	IND CHOKE 0.8UH MIN TAICHANG	
T901	080GL19P512 F	POWER X'FMR 700UH 5%	
T901	080GL19P512 H	DIS-APPROVED--X'FMR 700UH 5%	
T901	080GL19P512 N	POWER X'FMR 700UH 5%	
T901	080GL19P512 S	X'FMR 700UH 10% 6UH BCK-RM10-26209	
LED1	081G 2 3 1P	LED GPG2603T/R006-35A GUANGPU	
LED1	081G 2 1B GP	BLUE LED GPB2903CE/GP-1-40-HB	
E08906	089G 171536 C	DC CABLE 1200MM	2nd source
E08906	089G 171536 G	DC CABLE 1000MM	
E08906	089G 171536 H	DC CABLE 1200MM	2nd source
BD901	093G 50460514	BRIDGE KBP306G-05 3A/800V TSC	
D903	093G 52 1552T	DIODE 1N4007-E3/73 1A/1000V DO-41	
D902	093G 5212T52T	DIODE 1N4007-AO DO-41	
D903	093G 5212T52T	DIODE 1N4007-AO DO-41	
	705GQ957052	D906 ASS"Y	
	051G 200 1	OIL FOR DISAPPEAR	
D906	093G 60226	STPS20H100CT	
D906	093G 60228	MBR20100CT 20A 100VGI	
D906	093G 605AP	SCHOTTKY MBR20100CT C0 20A 100V TO-220AB	
	0M1G1730 5120	SCREW	
HS1	Q90G0235 1	HEAT SINK	
	705GQ957053	Q901 ASS"Y	
	051G 200 1	OIL FOR DISAPPEAR	
Q901	057G 667 21	NO-SUGGEST STP10NK70ZFP	
Q901	057G 667924	MOSFET SMK0965F	
	0M1G 930 5120	SCREW	
HS1	Q90G0232 1	HEAT SINK	
	705GQA57002	AC SOCKET ASS'Y	
CN901	087G 50112A CJ	AC SOCKET 3P -	
CN901	087G 50112A DL	AC SOCKET 3P 3642501	2nd source
	095G 900H12 X	HARNESS YELLOW/GREEN 75	
	096G 29 6	H.S. TUBE	

IC901	056G 379530	AC/DC CONVERTER LD7750GS SOP-8	
R912	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R940	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R912	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
R940	061G0603102 JT	RST CHIP 1K 1/10W 5% TZAI YUAN	
R911	061G0603202 JF	RST CHIPR 2K OHM +-5% 1/10W FENGHUA	
R911	061G0603202 JT	RST CHIPR 2KOHM 1/10W TZAI YUAN	
R918	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	
R918	061G0603203 JT	RST CHIP 20K 1/10W 5% TZAI YUAN	
R919	061G06034532FF	RST CHIPR 45.3KOHM +-1% 1/10W FENGHUA	
R905	061G08051002FF	RST CHIPR 10KOHM +-1% 1/8W FENGHUA	
R905	061G08051002FT	RST CHIP 10K 1/8W 1%	
R905	061G08051002FY	RST CHIP 10K 1/8W 1%	
R903	061G08051004FF	RST CHIPR 1 MOHM +-1% 1/8W FENGHUA	
R903	061G08051004FT	RST CHIP R 1 MOHM +-1% 1/8W	
R942	061G0805101 JY	RST CHIPR 100OHM +- 5% 1/8W YEGAO	
R910	061G0805104 JF	RST CHIPR 100KOHM +-5% 1/8W FENGHUA	
R910	061G0805104 JT	RST CHIPR 100KOHM +- 5% 1/8W TZAI YUAN	
R916	061G08051152FT	RST CHIPR 11.5KOHM +- 1% 1/8W TZAI YUAN	
R941	061G0805159 JT	RST CHIP 1R5 1/8W 5%	
R922	061G0805471 JT	RST CHIPR 470OHM +-5% 1/8W TZAI YUAN	
JR901	061G1206000 JI	RST 1206 MAX0R05 5% 1/4W	
JR901	061G1206000 JT	RST CHIPR MAX0R05 1/4W TZAI YUAN	
R914	061G1206101 JF	RST CHIPR 100 OHM +-5% 1/4W FENGHUA	
R908	061G1206101 JF	RST CHIPR 100 OHM +-5% 1/4W FENGHUA	
R914	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R908	061G1206101 JT	RST CHIPR 100 OHM +-5% 1/4W TZAI YUAN	
R934	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R906	061G1206103 JF	RST CHIPR 10KOHM +-5% 1/4W FENGHUA	
R906	061G1206103 JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	
R934	061G1206103 JT	RST CHIPR 10KOHM +-5% 1/4W TZAI YUAN	
R901	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R902	061G1206105 JF	RST CHIPR 1 MOHM +-5% 1/4W FENGHUA	
R901	061G1206105 JI	RST 1206 1M 5% 1/4W	
R902	061G1206105 JI	RST 1206 1M 5% 1/4W	
R907	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
R937	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
R938	061G1206564 JF	RST CHIPR 560KOHM +-5% 1/4W FENGHUA	
C930	065G060310332K F	CAP CHIP 0603 10NF K 50V X7R	
C930	065G060310332K Y	CAP CHIP 0603 10N 50V X7R +/-10%	
C915	065G060347332K M	NDS-ASSIGN MLCC 0603 CAP 0.047UF 50V X7R	
C915	065G060347332K Y	CAP CHIP 0603 47N 50V X7R +/-10%	
C931	065G080510131J A	CAP CHIP 0805 100PF J 50V NPO	
C931	065G080510131J F	CAP CHIP 0805 100PF J 50V NPO	
C931	065G080510131J Y	CAP CHIP 0805 100P 50V NP0 +/-5%	
C901	065G080510332K A	CAP CHIP 0805 10NF K 50V X7R	
C901	065G080510332K F	CAP 0805 10NF K 50V X7R	
C910	065G080510432K 3	CAP CHIP 0805 100N 50V X7R +/-10%	
C910	065G080510432K A	CAP CHIP 0805 0.1UF K 50V X7R	
C910	065G080510432K Y	CAP CHIP 0805 100N 50V X7R +/-10%	
C920	065G080510522K M	CAP 0805 1UF 10% 25V X7R	
C920	065G080510522K Y	CAP CHIP 0805 1U 25V X7R +/-10%	
C908	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C911	065G120622272K Y	CER 1206 2N2 500V X7R 10%	
C911	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
C908	065G1206222B2K T	CAP CHIP 1206 2200PF K 630V X7R	
D908	093G 64S522SEM	LL4148	

D908	093G 64S901 T	DIODE LS4148	
CN901	006G 31500	EYELET	
12V	006G 31501	EYELET	
GND	006G 31501	EYELET	
A	006G 31501	EYELET	
C903	006G 31502	1.5MM RIVET	
C907	006G 31502	1.5MM RIVET	
L901	006G 31502	1.5MM RIVET	
L902	006G 31502	1.5MM RIVET	
NR901	006G 31502	1.5MM RIVET	
IC903	056G 158 12	SHUNT REGULATOR KIA431A-AT/P TO-92	
R947	061G 60210052T XZ	RST CF 10R 5% 1/6W	
C925	065G 2K152 2T6213	CAP CER 1.5NF 10% 2KV Y5P	
C925	065G 2K152 2T6921	CAP CER 1500PF K 2KV Y5P	
C929	067G 2154707NT	KY50VB47M-TP5 6.3*11	
C929	067G 2154707RT	47UF +-20% 50V	
C929	067G215Y4707LT	LOW ESR EC 47UF 50V M 6.3*11MM	
FB901	071G 55908	BEAD - 60R - C8B RH3.5X4.7X1.0+TAP	
F901	084G 55 7W	FUSE 3.15A 250V WICKMANN	
F901	084G 56 3 B	FUSE 3.15A 250V	
J903	095G 90 23	JUMPER WIRE	
J904	095G 90 23	JUMPER WIRE	
J906	095G 90 23	JUMPER WIRE	
J901	095G 90 23	JUMPER WIRE	
	715G3980P03000003S	PWR PCB CEM-1 CTI>600 SS 96.5X44X1.6MM	
	Q33G0464ADT 1T 18	TOP COVER	
	Q33G0465ADT 1T 18	BOTTOM COVER	
	Q33G6007 1 1C	LENS	
	Q40G000362427A	LABEL	
	Q45G5501 1	PE PACKING 140 80 3.0	
T901	S80GL19P512V	TRANSFORMER ASS'Y	
	S34FP19P512VZ	GROUPWARE WIRE	
	040G 45762412B	CBPC LABEL	
C718	067G204V181 3K	CS CAP 180UF 16V 8*8 MM	
C716	067G204V471 2K	CS CAP 470UF 10V 8*8 MM	
C604	067G204V471 2K	CS CAP 470UF 10V 8*8 MM	
FB701	071G 5526A S	CORE 6.0X3.5X3.5 127 25% LG-LB3560-00410	
CN601	088G 30254C	PHONE JACK 3.5MM 5P V/A GREEN	
CN601	088G 30254S	PHONE JACK 3.5MM 5P V/T GREEN	2nd source
CN701	088G 304 11 C	DC POWER JACK 3P 2.5MM	
CN101	088G 35315F A	D-SUB 15PIN DB15-1	
CN101	088G 35315FVDL	D-SUB CONN 15P FEMALE V/T WITH SCREW	2nd source
CN102	088G 35424F VC	DVI CONN 24P V/T WITH SCREW	
	090G6250 1 GP	HEAT SINK	
X401	093G 22 53 J	CRYSTAL 14.31818MHZ/32PF49US	
X401	093G 22 53 YC	CRYSTAL 14.31818MHZ/32PF 49U/S YC	
	Q90G6332 1	HEAT SINK	
CN602	033G8023 4 JS	WAFER	
CN402	033G8032 4F HR	CONNECTOR 4P 1.25	
CN401	033G8032 7F X	WAFER 7P 1.25MM S1315-07RVB-S01-K	2nd source
CN401	033G8032 7F HR	CONNECTOR	
CN702	033G803210F HR	CONNECTOR 10P 1.25	
U401	056G 562306	IC TSUMU88MWDT3-LF-1 PQFP-128	
U702	056G 563121	IC G1084-33TU3UF TO-263T	
U703	056G 563123	IC G1084-18TU3UF TO-263T	
U705	056G 563215	IC DC/DC MP1584EN SOIC8E	
U602	056G 563215	IC DC/DC MP1584EN SOIC8E	

U601	056G 616 65	IC PAM8602MNHR SSOP-24	
U502	056G 662 18	IC AZ1045-04F.R7G DFN2510P10E	
U501	056G 662 18	IC AZ1045-04F.R7G DFN2510P10E	
U501	056G 662 21	IC AOZ8804DI DFN-10	
U502	056G 662 21	IC AOZ8804DI DFN-10	
U103	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U104	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U105	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U106	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U107	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U503	056G 662502	IC ESD AZC199-04S.R7G SOT23-6L	
U503	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U107	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U106	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U105	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U104	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U103	056G 662504	IC ESD AOZ8902CIL 24KV 5A SOT23-6 AOS	
U101	056G1133531	EEPROM FM24C02A-SO-T-G 2K SOP-8	
U102	056G1133531	EEPROM FM24C02A-SO-T-G 2K SOP-8	
U504	056G1133531	EEPROM FM24C02A-SO-T-G 2K SOP-8	
U101	056G1133956	IC CAT24C02WI-GT3 SO-8	
U102	056G1133956	IC CAT24C02WI-GT3 SO-8	
U504	056G1133956	IC CAT24C02WI-GT3 SO-8	
U402	056G2233501	FLASH MX25L2026DM1I-12G 2MB SOP-8	
Q302	057G 417511	MMBT3904	
Q401	057G 417511	MMBT3904	
Q502	057G 417511	MMBT3904	
Q503	057G 417511	MMBT3904	
Q504	057G 417511	MMBT3904	
Q505	057G 417511	MMBT3904	
Q604	057G 417511	MMBT3904	
Q701	057G 417511	MMBT3904	
Q603	057G 417512	MMBT3906	
Q403	057G 417512	MMBT3906	
Q402	057G 417512	MMBT3906	
Q402	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q403	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q603	057G 417517	TRA LMBT3906LT1G -200MA/-40V SOT-23 LRC	
Q701	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q604	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q505	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q504	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q503	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q502	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q401	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q302	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q301	057G 763 1	AO3401 SOT23 BY AOS	
Q301	057G 763513	P6403FMG BY NIKO-SEM	
R507	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R506	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R505	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R504	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R503	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R502	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R501	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R423	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R414	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	

R408	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R508	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R510	061G0402000 JY	NO-SUGGEST RST CHIPR MAX 0R05 OHM 1/16W	
R128	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R129	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R130	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R131	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R132	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R134	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R127	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R126	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R115	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R111	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R105	061G0402100 JY	NO-SUGGEST RST CHIPR 10 OHM +-5% 1/16W Y	
R101	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R113	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R118	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R119	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R409	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R410	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R411	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R415	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R416	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R417	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R422	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R428	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R434	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R436	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R437	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R514	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R515	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R706	061G0402101 JY	NO-SUGGEST RST CHIPR 100 OHM +-5% 1/16W	
R103	061G0402102 JY	NO-SUGGEST RST CHIPR 1KOHM +-5% 1/16W YA	
R104	061G0402102 JY	NO-SUGGEST RST CHIPR 1KOHM +-5% 1/16W YA	
R516	061G0402102 JY	NO-SUGGEST RST CHIPR 1KOHM +-5% 1/16W YA	
R521	061G0402102 JY	NO-SUGGEST RST CHIPR 1KOHM +-5% 1/16W YA	
R606	061G0402102 JY	NO-SUGGEST RST CHIPR 1KOHM +-5% 1/16W YA	
R603	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R520	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R518	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R120	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R123	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R136	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R305	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R308	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R407	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R412	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R426	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R427	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R435	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R438	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R439	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R513	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R604	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R605	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R607	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R609	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	

R610	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R615	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R702	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R703	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R705	061G0402103 JY	NO-SUGGEST RST CHIPR 10KOHM +-5% 1/16W Y	
R621	061G0402104 JT	RST CHIP 100K 1/16W 5% TZAI YUAN	
R306	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R421	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R711	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R726	061G0402104 JY	RST CHIPR 100KOHM +-5% 1/16W YAGEO	
R613	061G04021202FY	RST CHIP 12K 1/16W 1%	
R714	061G04021301FT	RST 0402 1.3K 1% 1/16W TZAI YUAN	
R714	061G04021301FY	RST CHIPR 1K3 +-1% 1/16W YAGEO	
R522	061G0402202 JY	RST CHIPR 2KOHM 1/16W YAGEO	
R614	061G04022211FY	RST CHIP 2.21K 1/16W 1%	
R106	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R107	061G0402222 JY	RST CHIPR 2.2KOHM +-5% 1/16W YAGEO	
R406	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R704	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R304	061G0402223 JY	RST CHIPR 22KOHM +-5% 1/16W YAGEO	
R710	061G0402304 JF	RST 0402 300K 5% 1/16W FENGHUA	
R727	061G0402333 JY	RST CHIPR 33KOHM £«-5£¥ 1/16W YAGEO	
R401	061G04023900FY	RST CHIP 390R 1/16W 1%	
R418	061G04023901FY	RST CHIP 3.9KOHM 1% YAGEO	
R432	061G04023901FY	RST CHIP 3.9KOHM 1% YAGEO	
R433	061G04023901FY	RST CHIP 3.9KOHM 1% YAGEO	
R109	061G0402470 JY	NO-SUGGEST RST CHIPR 47 OHM 5% 1/16W YAG	
R114	061G0402470 JY	NO-SUGGEST RST CHIPR 47 OHM 5% 1/16W YAG	
R117	061G0402470 JY	NO-SUGGEST RST CHIPR 47 OHM 5% 1/16W YAG	
R110	061G0402471 JY	RST CHIPR 470OHM +-5% 1/16W YAGEO	
R424	061G0402471 JY	RST CHIPR 470OHM +-5% 1/16W YAGEO	
R124	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R125	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R137	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R138	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R303	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R402	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R404	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R419	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R420	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R511	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R512	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R517	061G0402472 JY	RST CHIPR 4.7KOHM +-5% 1/16W YAGEO	
R525	061G0402473 JY	NO-SUGGEST RST CHIPR 47KOHM +-5% 1/16W Y	
R524	061G0402473 JY	NO-SUGGEST RST CHIPR 47KOHM +-5% 1/16W Y	
R523	061G0402473 JY	NO-SUGGEST RST CHIPR 47KOHM +-5% 1/16W Y	
R519	061G0402473 JY	NO-SUGGEST RST CHIPR 47KOHM +-5% 1/16W Y	
R611	061G0402474 JT	RST CHIP 470K 1/16W 5% TZAI YUAN	
R611	061G0402474 JY	RST CHIP 470K 1/16W 5% YAGEO	
R713	061G04026801FY	RST CHIP 6K8 1/16W 1%	
R116	061G0402750 JY	NO-SUGGEST RST CHIPR 75OHM +-5% 1/16W YA	
R112	061G0402750 JY	NO-SUGGEST RST CHIPR 75OHM +-5% 1/16W YA	
R108	061G0402750 JY	NO-SUGGEST RST CHIPR 75OHM +-5% 1/16W YA	
R601	061G0402752 JT	RST CHIP 7K5 1/16W 5% TZAI YUAN	
R602	061G0402752 JT	RST CHIP 7K5 1/16W 5% TZAI YUAN	
R601	061G0402752 JY	RST CHIPR 7.5KOHM +-5% 1/16W YAGEO	
R602	061G0402752 JY	RST CHIPR 7.5KOHM +-5% 1/16W YAGEO	

R617	061G0603000 JY		NO-SUGGEST RST CHIPR MAX0R05 1/10W YAGEO	
R405	061G0603000 JY		NO-SUGGEST RST CHIPR MAX0R05 1/10W YAGEO	
R403	061G0603000 JY		NO-SUGGEST RST CHIPR MAX0R05 1/10W YAGEO	
R102	061G0603000 JY		NO-SUGGEST RST CHIPR MAX0R05 1/10W YAGEO	
R301	061G1206221 JF		RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
R302	061G1206221 JF		RST CHIPR 220 OHM +-5% 1/4W FENGHUA	
C107	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C425	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C426	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C603	065G040210232K	Y	CAP CHIP 0402 1N 50V X7R +/-10%	
C430	065G040210332K	Y	CAP CHIP 0402 10N 50V X7R +/-10%	
C407	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C408	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C409	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C410	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C411	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C412	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C413	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C415	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C416	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C431	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C432	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C436	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C437	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C438	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C439	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C441	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C501	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C503	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C602	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C606	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C636	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C706	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C705	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C702	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C653	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C651	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C717	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C725	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C712	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C709	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C708	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C417	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C422	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C115	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C120	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C124	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C301	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C304	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C403	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C404	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C405	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C406	065G040210412K	M	CAP 0402 0.1UF 10% 16V X7R	
C422	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C417	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C416	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C415	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	

C413	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C412	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C411	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C410	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C409	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C408	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C407	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C406	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C405	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C404	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C431	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C702	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C653	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C651	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C636	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C606	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C602	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C503	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C501	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C441	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C439	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C438	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C437	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C436	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C432	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C403	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C725	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C717	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C712	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C709	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C708	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C706	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C304	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C301	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C124	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C120	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C115	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C705	065G040210412K	Y	CAP CHIP 0402 100N 16V X7R +/-10%	
C713	065G040210427Z	T	NO-SUGGEST 0402 0.1UF 25V Y5V	
C719	065G040210427Z	T	NO-SUGGEST 0402 0.1UF 25V Y5V	
C650	065G0402105A5K	Y	CAP 0402 1UF K 10V X5R	
C750	065G0402105A5K	Y	CAP 0402 1UF K 10V X5R	
C724	065G040215131J	Y	CHIP 150PF 50V NPO YAGEO	
C635	065G040215131J	Y	CHIP 150PF 50V NPO YAGEO	
C103	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C104	065G040222031J	Y	CAP CHIP 0402 22P 50V NP0 +/-5%	
C607	065G040222131J	F	NO-SUGGEST CAP 0402 220PF J 50V NPO	
C608	065G040222131J	F	NO-SUGGEST CAP 0402 220PF J 50V NPO	
C116	065G040222417Z	Y	NO-SUGGEST 0402 220NF 16V Y5V	
C117	065G040222417Z	Y	NO-SUGGEST 0402 220NF 16V Y5V	
C303	065G040222417Z	Y	NO-SUGGEST 0402 220NF 16V Y5V	
C401	065G040222417Z	Y	NO-SUGGEST 0402 220NF 16V Y5V	
C502	065G040222417Z	Y	NO-SUGGEST 0402 220NF 16V Y5V	
C420	065G040247031J	Y	CAP CHIP 0402 47PF 50V NPO +/-5%	
C421	065G040247031J	Y	CAP CHIP 0402 47PF 50V NPO +/-5%	
C102	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	
C106	065G040247312K	T	CAP 0402 47NF 10% 16V X7R	

C108	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C110	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C111	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C114	065G040247312K T	CAP 0402 47NF 10% 16V X7R	
C105	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
C109	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
C113	065G040250931J Y	NO-SUGGEST 0402 5PF 50V NPO	
C620	065G060310221J Y	CAP CHIP 0603 1N 25V NP0 +/-5%	
C621	065G060310221J Y	CAP CHIP 0603 1N 25V NP0 +/-5%	
C622	065G060310221J Y	CAP CHIP 0603 1N 25V NP0 +/-5%	
C623	065G060310221J Y	CAP CHIP 0603 1N 25V NP0 +/-5%	
C652	065G060310232K A	CAP CHIP 0603 1000PF K 50V X7R	
C720	065G060310232K Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C721	065G060310232K Y	CAP CHIP 0603 1N 50V X7R +/-10%	
C305	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C427	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C428	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C429	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C611	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C612	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C613	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C614	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C615	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C617	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C618	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C626	065G060310512K 3	CAP 0603 1UF 10% 16V X7R	
C625	065G060322131J Y	CAP CHIP 0603 220P 50V NP0 +/-5%	
C624	065G060322131J Y	CAP CHIP 0603 220P 50V NP0 +/-5%	
C402	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C414	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C418	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C419	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C440	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C442	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C443	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C444	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C616	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C619	065G0805106A7Z 3	CAP CHIP 0805 10UF 10V Y5V -20~+80%	
C751	065G080556131J F	CAP CHIP 0805 560PF J 50V NPO	
C601	065G120610625K T	CAP CHIP 1206 10UF K 25V X5R	
C722	065G120610625K T	CAP CHIP 1206 10UF K 25V X5R	
C302	065G120622615K M	CAP CHIP 1206 22UF K 16V X5R	
C609	065G120622615K M	CAP CHIP 1206 22UF K 16V X5R	
C704	065G120622615K M	CAP CHIP 1206 22UF K 16V X5R	
C707	065G120622615K M	CAP CHIP 1206 22UF K 16V X5R	
C302	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C609	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C704	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
C707	065G120622615K T	CAP CHIP 1206 22UF K 16V X5R	
U402	070GHDCP500HDC	NO-SUGGEST HDCP CODE	
FB301	071G 56K121	CHIP BEAD	
FB401	071G 56K121	CHIP BEAD	
FB402	071G 56K121	CHIP BEAD	
FB403	071G 56K121	CHIP BEAD	
FB404	071G 56K121	CHIP BEAD	
FB405	071G 56K121	CHIP BEAD	
FB406	071G 56K121	CHIP BEAD	

FB601	071G 56K121	CHIP BEAD	
FB602	071G 56K121	CHIP BEAD	
FB603	071G 56K121	CHIP BEAD	
FB604	071G 56K121	CHIP BEAD	
FB408	071G 56K121 M	CHIP BEAD 120OHM 6A MGLB2012-120T-LF	
FB407	071G 56V301 B	CHIP BEAD 0805 300OHM BULLWILL	
FB502	071G 59G301	CHIP BEAD 300OHM	
FB501	071G 59G301	CHIP BEAD 300OHM	
FB105	071G 59G301	CHIP BEAD 300OHM	
FB104	071G 59G301	CHIP BEAD 300OHM	
FB103	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB101	071G 59K190 B	19 OHM BEAD	
FB702	071G 59K300 TA	CHIP BEAD 0603 30R/700MA TAI-TECH	
FB605	071G 59K300 TA	CHIP BEAD 0603 30R/700MA TAI-TECH	
L701	073G M5822020S	SMD CHOKE 22UH¡À20% 3.6A	
L601	073G M5822020S	SMD CHOKE 22UH¡À20% 3.6A	
L701	073G253S 36 R	SMD CHOKE 22UH AFPI4D28220NT	
L601	073G253S 36 R	SMD CHOKE 22UH AFPI4D28220NT	
CN501	088G 34019H VA	HDMI HEADER 19P V/T H:13.0MM	
D501	093G 60505	DIO SIG SM BAT54C(PHSE)R	
D102	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	
D101	093G 64 42 L	DIODE LBAV70LT1G SOT-23 LRC	
D102	093G 64 42 PP	BAV70 SOT-23	
D101	093G 64 42 PP	BAV70 SOT-23	
ZD501	093G 39GA01 T	RLZ5.6B	
ZD101	093G 39GA01 T	RLZ5.6B	
ZD603	093G 39S 10 T	RLZ6.8B BY ROHM	
D601	093G 64S522SEM	LL4148	
D602	093G3004 2	SR34 PAN JIT	
D701	093G3004 2	SR34 PAN JIT	
D703	093G3004 2	SR34 PAN JIT	
D704	093G3004 2	SR34 PAN JIT	
D707	093G3004 2	SR34 PAN JIT	
D708	093G3004 2	SR34 PAN JIT	
D602	093G3004 3	SM340A	
D701	093G3004 3	SM340A	
D703	093G3004 3	SM340A	
D704	093G3004 3	SM340A	
D707	093G3004 3	SM340A	
D708	093G3004 3	SM340A	
CN301	311GW125A30ACH	WAFER 1.25MM 30P	
E715	715G3603M02000004F	MAIN PCB FR4 165X50X1.6MM DS	2nd source
E715	715G3603M02000004L	MAIN PCB FR4 165X50X1.6MM DS	
	KEPC9QKL	KEY BOARD G3646-K01-X-X-1-100428	
	Q52G 3100	DOUBLE FACE TAPE	
CN002	033G8032 3F S HR	CONNECTOR	
CN001	033G8032 6F S HR	CONNECTOR	
U001	056G 669 1	TOUCH KEY CY8C20110-LDX21 QFN-16	
Q002	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
Q001	057G 417518	TRA LMBT3904LT1G 200MA/40V SOT-23 LRC	
R006	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R007	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R008	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R009	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R010	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R010	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	

R009	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R008	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R007	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R006	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R011	061G0603152 JY	NO-SUGGEST RST CHIPR 1.5KOHM £«-5£¥ 1/1	
R013	061G0603472 JY	NO-SUGGEST RST CHIPR 4.7KOHM £«-5£¥ 1/1	
R012	061G0603472 JY	NO-SUGGEST RST CHIPR 4.7KOHM £«-5£¥ 1/1	
R005	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R004	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R003	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R002	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R001	061G0603561 JF	RST CHIP 560R 1/10W 5% FENGHUA	
R001	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R002	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R003	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R004	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
R005	061G0603561 JY	RST CHIP 560R 1/10W 5% YAGEO	
C001	065G060310231J M	NO-SUGGEST 0603 1000PF J 50V NPO	
C003	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C004	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C005	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
C002	065G060310605M T	CAP 0603 10UF 20% 6.3V X5R	
LED005	081G 14 33 EL	CHIP LED BLUE 23-21B/B7C-AN1P2NY/2A	
LED002	081G 14 33 EL	CHIP LED BLUE 23-21B/B7C-AN1P2NY/2A	
LED003	081G 14 33 EL	CHIP LED BLUE 23-21B/B7C-AN1P2NY/2A	
LED004	081G 14 33 EL	CHIP LED BLUE 23-21B/B7C-AN1P2NY/2A	
LED001	081G15BY 2 EL	LED BLUE/ORANGE 12-22/BHS2C-C30/2C	
E715	715G3646K01000004S	KEY PCB FR4 DS 50X29X1.6MM	2nd source
E715	715G3646K01000004W	KEY PCB FR4 50X29X1.6MM DS	
	LEPC9QQL	LED BOARD G3757-T0D-000-0040-1-090925	
CN031	033G8032 3F HR	CONNECTOR 3P 1.25	2nd source
Q031	057G 761 18 T	TEST ONLY SST2222A 0.4 60 SMT3	
R046	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R031	061G0603221 JY	RST 0603 220R 5% 1/10W	
R032	061G0603221 JY	RST 0603 220R 5% 1/10W	
R033	061G0603221 JY	RST 0603 220R 5% 1/10W	
R034	061G0603221 JY	RST 0603 220R 5% 1/10W	
R035	061G0603221 JY	RST 0603 220R 5% 1/10W	
R036	061G0603221 JY	RST 0603 220R 5% 1/10W	
R037	061G0603221 JY	RST 0603 220R 5% 1/10W	
R038	061G0603221 JY	RST 0603 220R 5% 1/10W	
R039	061G0603221 JY	RST 0603 220R 5% 1/10W	
R040	061G0603221 JY	RST 0603 220R 5% 1/10W	
R041	061G0603221 JY	RST 0603 220R 5% 1/10W	
R042	061G0603221 JY	RST 0603 220R 5% 1/10W	
R043	061G0603221 JY	RST 0603 220R 5% 1/10W	
R044	061G0603221 JY	RST 0603 220R 5% 1/10W	
R045	061G0603221 JY	RST 0603 220R 5% 1/10W	
C031	065G060310412K Y	CAP CHIP 0603 100N 16V X7R +/-10%	
LED031	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED032	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED033	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED034	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED035	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED036	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED037	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED038	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	

LED039	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED040	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED041	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED042	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED043	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED044	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
LED045	081G 15B 1 EL	LED BLUE 12-215-BHC-YLMQY-3T	
	715G3757T01000004L	DAUGHTER PCB FR4 DS 320X9.5X1.0MM	
R045	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R044	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R043	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R042	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R041	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R040	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R039	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R038	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R037	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R036	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R035	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R034	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R033	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R032	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
R031	061G0603221 JF	ST CHIPR 220 OHM +-5% 1/10W FENGHUA	
	LNPCAB581AQDH	CONVERTER BOARD G4128-P01-000-0040-6-100727	
	040G 45762412B	CBPC LABEL	
C809	067G315M1016HV	EC 100UF 20% 35V 8*7	
C809	067G315M1016KV	EC 100UF 20% 35V 8*7	
C807	067G415Z479 9K	EC 4.7UF 20% 100V 8*12	
U801	056G 700 5	IC LED DRIVER MP3389EF TSSOP28	
Q806	057G 763 92	FET P8008HV 4A/80V SOP-8	
R806	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R808	061G0603102 JF	RST CHIPR 1K OHM +-5% 1/10W FENGHUA	
R808	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R806	061G0603102 JY	RST CHIPR 1KOHM +-5£¥ 1/10W YAGEO	
R802	061G06031803FF	RST CHIPR 180K +-1% 1/10W FENGHUA	
R802	061G06031803FY	RST CHIP 180K 1/10W 1%	
R807	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	
R810	061G0603203 JF	RST CHIPR 20K OHM +-5% 1/10W FENGHUA	
R807	061G0603203 JT	RST CHIP 20K 1/10W 5% TZAI YUAN	
R810	061G0603203 JT	RST CHIP 20K 1/10W 5% TZAI YUAN	
R803	061G06032702FT	RST CHIP 27K 1/10W 1%	
R803	061G06032702FY	RST CHIP 27K 1/10W 1%	
R819	061G06033302FF	RST CHIPR 33K OHM +-1% 1/10W FENGHUA	
R819	061G06033302FY	RST CHIPR 33KOHM 1/10W YAGEO	
R809	061G06035601FF	RST 0603 5.6K 1% 1/10W	
R809	061G06035601FY	RST CHIP R 5K6 1/10W +/-1%	
R827	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R828	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R827	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R828	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R805	061G0805304 JF	RST CHIPR 300KOHM +-5% 1/8W FENGHUA	
R805	061G0805304 JY	RST CHIPR 300K +-5% 1/8W YAGEO	
R818	061G1206000 JF	RST CHIPR MAX0R05 1/4W FENGHUA	
R818	061G1206000 JY	NO-SUGGEST RST CHIPR MAX0R05 1/4W YAGEO	
R801	061G12061009FF	RST CHIP 10 OHM 1% 1/4W FENGHUA	
R801	061G12061009FT	RST CHIP R 10OHM 1/4W +/-1%	
C806	065G060310131J M	CAP CHIP 0603 100PF J 50V NPO	

C806	065G060310131J Y	CAP CHIP 0603 100P 50V NP0 +/-5%	
C802	065G060368332K F	CAP CHIP 0603 68NF K 50V X7R	
C802	065G060368332K Y	CHIP 0603 68NF 50V X7R	
C805	065G080522141J A	NO-SUGGEST 0805 220PF J 100V NPO	
C805	065G080522141J Y	CAP CHIP 0805 220P 100V NP0 +/-5%	
C801	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
C803	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
C804	065G080547432K A	CAP CHIP 0805 0.47UF K 50V X7R	
L801	073G253S 59 DN	SMD CHOKE 22UH 4A LK.29220.A2P	
D801	093G 60S932 T	SCHOTTKY SK310B R4 3A 100V DO-214AA	
C801	065G080547432K Y	CAP CHIP 0805 470N 50V X7R +/-10%	
C803	065G080547432K M	MLCC 0805 0.47UF 50V X7R	
C804	065G080547432K M	MLCC 0805 0.47UF 50V X7R	
R812	061G12060004JF	RST CHIPR MAX0R05 4A 1/4W FENGHUA	
R812	061G12060004JY	NO-SUGGEST RST CHIPR MAX0R05 4A 1/4W YAG	
R811	061G12061507FF	RST 1206 0.15R 1% 1/4W	
R815	061G12061507FF	RST 1206 0.15R 1% 1/4W	
L801	073G253S 59 X	SMD CHOKE 22UH 4A 3SMSL12575-220M HF	
L801	073G253S 59 H	SMD CHOKE 22UH 4A SPI12580WCC-220 HF	
R827	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R828	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R804	061G06031003FF	RST CHIPR 100KOHM +-1% 1/10W FENGHUA	
R804	061G06031003FY	RST CHIP 100K 1/10W 1%	
CN801	033G803210F HR HF	CONNECTOR 1.25MM 10P	2nd source
R829	061G0805109 JY	RST CHIP 1R 1/8W 5% YAGEO	
R829	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
C801	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
C804	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
C803	065G080547432K T	CAP CHIP 0805 0.47UF K 50V X7R	
CN804	033G8032 6F HR	CONNECTOR 6P 1.25	
CN804	033G8032 6F X	WAFER 6P 1.25MM	
R835	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R835	061G0805000 JT	RST CHIPR 0 OHM +- 5% 1/8W TZAI YUAN	
R837	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R837	061G0805000 JT	RST CHIPR 0 OHM +- 5% 1/8W TZAI YUAN	
R838	061G0805000 JF	RST CHIPR 0 OHM +-5% 1/8W FENGHUA	
R838	061G0805000 JT	RST CHIPR 0 OHM +- 5% 1/8W TZAI YUAN	
R836	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R836	061G0805109 JF	RST CHIPR 1 OHM +- 5% 1/8W FENGHUA	
Q806	057G 763947	MOSFET APM8005KCTRG SOP-8	
D801	093T 60S907 T	DIODE 3A/100V B3100B SMB	
R829	061G0805109 JT	RST CHIP 1R 1/8W 5% TZAI YUAN	
R815	061G12061507FY	RST CHIPR 0.15 OHM +-1% 1/4W YAGEO	
R811	061G12061507FY	RST CHIPR 0.15 OHM +-1% 1/4W YAGEO	
	715G4128P02000004F	PWR PCB FR4 DS 110X40X1.6MM	
R822	061G06031002FT	RST CHIP 10K 1/10W 1%	
R822	061G06031002FY	RST CHIPR 10KOHM +-1% 1/10W YAGEO	
R826	061G08051009FT	RST CHIP R 10OHM +/-1% 1/8W	
R826	061G08051009FF	RST CHIPR 10 OHM+-1% 1/8W FENGHUA	
CN801	033G803210F HR	CONNECTOR 10P 1.25	
CN801	033G803210F X	WAFER 10P 1.25MM S1315-10RVB-S03-K	2nd source
R818	061G1206000 JI	RST 1206 MAX0R05 5% 1/4W	
R811	061G12061507FT	RST CHIPR 0.15 OHM +-1% 1/4W	
R815	061G12061507FT	RST CHIPR 0.15 OHM +-1% 1/4W	
	LSPC9QQL	LIGHT BOARD	
CN711	033G8032 4F S HR	CONNECTOR	
U711	056G 665 62	IC ALS-PDIC17-79NB/TR8 FN-6	

	715G3637T01000004S	USB PCB FR4 DS 18X14X1.0MM	
	Q36G 600517	DUSTER CLOTH	
	Q40G 22E61526A	RATING LABEL	
	Q40G0003615A47	E2237FWH POP LABEL	
	Q40G0003615B18	37 STICKER LABEL	
	Q40G000362428A	SRS+WIN7+EPEAT SILVER+EPA	
	Q41G780A61592A	NA WARRANTY CARD	
	Q41G780A61593A	EASE CARD	
	Q41G78S161520A	E2237FWH QSG	
	Q44GC134615 3A	21.5 LCD CARTON	
	Q45G 88609204 N	EPE BAG	
	Q70G22C161510B	CD MANUAL	
E09501	S95G80183H98	LVDS CABLE 30P-30P(1.25MM) 280MM	
	033F303SM24K30	PK2407P30/TD00-30LH	
	033F206H30P252	PD240315/A1252H002-2*15P	
	033F303TTD1	TD00-T 2407PS-00	
	033F206T2J1252	2403PS-2/A1252TOP-2	
	033F303TTD1	TD00-T 2407PS-00	
	033F206T2J1252	2403PS-2/A1252TOP-2	
	033F303SM24K30	PK2407P30/TD00-30LH	
	033F206H30P252	PD240315/A1252H002-2*15P	
E09505	S95G80223501	HARNESS 3P-3P 260MM	2nd source
	033F206H03P253	A1253HA-3P	
	033F206H03P253	A1253HA-3P	
	033F206THR2253	A1253TPE-A	
	Q45G2010M0201A	P.E. BAG (INSTR. BOOK)	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	
	040G 581689 4A	BARCODE LABEL FOR 1	
	Q40G000161515A	CARTON LABEL	